# CHEMISTAND DRUGGIST

For Retailer, Wholesaler and Manufacturer

AUGUST 1 1964



Through Important National Newspapers and large circulation women's magazines, V<sub>LLT</sub> 'O' advertising is seen and read by millions of women weekly. The demand for this super-depilatory continues to grow. Be ready for even greater demand—stock UP NOW!

## Veet Odourless

THE DEPILATORY WOMEN RECOMMEND

Dae Health Laboratories Ltd. 17 Berners Street London W.1



OPTREX 'MATCH-THE-EYES-TO-THE-AGE' COMPETITION FOR CHEMISTS' ASSISTANTS-

## ARE YOU A PRIZEWINNER?

Here are the prizewinners of the Optrex Match-The-Eyes-To-The-Age competition specially designed for all who sell Optrex. If you have won a prize, we offer you our congratulations, if not, we wish you luck next time. Here are the prizewinners:

**1st PRIZE** of a weekend in Paris for two (or £50 in cash) goes to: Mrs. M. Roberts, J. Stonefield, M.P.S., 1 Rhodes Parade, Quarry Hill Flats, Leeds 9.

2nd PRIZE of £20 cash goes to: Mrs. Bradshaw, Boots, 21 King Street, London, W.6.

3rd PRIZE of £10 cash goes to: Miss F. Bruce, Timothy Whites, 13 Market Place, Ripon, Yorks.

Optrex Limited, Wadsworth Road, Perivale, Greenford, Middlesex

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A £1 Premium
Mr. R. W. Strange,
Timothy Whites,
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London, S.E.7
Mrs. D. Spencer,
Howard Chemists,
78 Weston Lane.
Southampton, Hants
Miss S. M. McCulloch,
Blount's Chemist,
4 and 6 Nith Place,
Dumfries

Mrs. F. Furst, Boots. 479 Kingsbury Road, Kingsbury, London, N.W.9

Mrs. Collins, Boots,

54 Rockingham Road, Corby, Northants Miss C. Harness, Timothy Whites, 87/89 High Street, Scunthorpe, Lincolnshire

Miss F. McAlpine, Robinson Chemist, 25 High Street, Dunbar, East Lothian

Mrs. Ray Gibson, 'Penilee Pharmacy', 75 Gleddoch Road, Glasgow, S.W.2

Miss J. Stafford, Finlay McKinley, 7 High Street. Glossop, Derbyshire

Miss M. Jones, Boots, 10 Green Street, Neath, Glamorgan

Miss Patricia Roberts, Boots, Vietoria House, Station Street, Llandrindod Wells, Radnorshire

Mrs. V. Orange, A. T. Hall, 12 High Street, Bromsgrove, Worcestershire

Mrs. S. M. Merrett, West Wight Pharmacy, Station Road, Freshwater, Isle of Wight

Miss Sheila Morris, Compston-Gourdie Ltd., 26 High Street, Bishop's Castle, Shropshire

Miss J. Hyatt, Boots, 59 High Street, Harlesden, N.W.10., Middlesex

Miss C. M. Heard, R. H. Summers, 21 Kingston Road, Taunton, Somerset

Miss A. McCrea. D. H. Morgan Ltd., 38 Cheriton High Street, Folkestone, Kent

D. E. Alderson, Boots, 28 Market Piace, Thirsk, Yorks.

B. Hamilton, Bannister Chemist, 112 Godwin Street, Bradford 1.

C, Cockayne, Daniel Chemist, Ltd., 272 High Road, Wood Green, London, N.22.



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for your hair



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#### SURGICAL TRADE VERLOG SURGICAL MARK VERLOSIERY

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'Grams: Verlog, Nottingham

Tel.: 248227 (2 lines).

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The Infants' Medicine of 150 years' standing For teething and digestive troubles

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A NEW DISPLAY for SHAVING BRUSHES Each brush Guaranteed for 2 years



#### with PARCEL No. 910 containing...

4 pcs. No. 20 PURE BRISTLE BRUSH Each in window carton ..... RETAIL PRICE 5/6 EACH 4 pcs. No. 21 PURE BRISTLE BRUSH Each in acetate tube RETAIL PRICE 7/6 EACH 4 pcs. No. 22 PURE BRISTLE, BRUSH Each in acetate tube RETAIL PRICE 9/6 EACH W.S.P. 50/6 Plus P.T. RETURNS 90/-

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Tel. HYDe Park 3886-7



Merchandising Bulletin
No. 11 for Chemists

your key to bigger sales

The second second

woman's own

One in three of all your women customers will see these advertisements during the next month. Check your stocks now and cash in on this immense sales potential with window and counter displays wherever possible.

#### **DATED AUGUST 1** Andrex ..... c Beecham's Pills Bonomint Buto **Buty-Style** Dalmas-Mimosept Golden Babe Nappies Goya Dry Deodorant Helena Rubinstein Bio-Clear Lifebuoy Soap.....c Moorland Indigestion Tablets Paddi & Paddi Pads Preparation 'H' Saxin Shadeine Sucron Sunsilk Shampoo ......c Supersoft Shampoo ......c Tampax.....c

#### woman's own

Yardley Lavender

T.C.P.

**DATED AUGUST 8** 

Beecham's Pills
Biskoids
Bristow's, Vosene
and Silvikrin Shampoos......c

#### Buto

Buty-Style

Flit Aerosols

Gibbs Melody ......c

Goya Dry Deodorant

Grossmith — White Fire ......c

Lilia-White Sales ......c

Mene
Moorland Indigestion Tablets

Oil of Ulay

Phensic

**Pro-Plus** 

1 10-1 1u3

**Quickies Face Pads** 

Revion Nail Enamel ......c

Scholl's Elastic Hosiery

Valderma Balm

Veet 'O'

**Vitapointe** 

Zoflora Air Freshener

#### woman's own

DATED AUGUST 15

**Amami Styling Lotion** 

Anadin

**Bidex Spray Deodorant** 

**Bonomint** 

Buto

**Biskoids** 

Delrosa Rose Hip Syrup

**Elnett Hair Spray** 

Buto

Buty-Style
Cidal Soap
Cuticura
Daisy Tablets
Germolene
Go Deodorantsc
Harmony Hair Coloursc
Hermesetas
Inecto—Hint of a Tintc
Johnson & Johnson Baby Products
Johnson & Johnson Cotton Buds
Lucozade
Marzine
Max Factor Sheer Geniusc
Model Nail
Nurse Harvey's Baby Mixture
Paddi & Paddi Pads
Plix
Ribenac
Robinson's Baby Cerealsc
Saxin
Scholl's Sandals
Signal Toothpaste
Tampax
Yardleyc
<u> </u>
•
woman's own
DATED AUGUST 22
Anne French — Immac
Beecham's Pills

Germoloids
Goya Cosmeticsc
Lifebuoy Soapc
Max Factor Creme Puff
Maws Teats
Nikini
Oil of Ulay
Ribenac
Saxin
Sunsilk Shampooc
T.C.P.
Vitapointe
Woodward's Gripe Water
•

#### woman's own

#### **DATED AUGUST 29**

Beecham's Pills
Bonomint
Color-Gloc
Color Match
Daisy Tablets
Gibbs Melodyc
Lilia-White Salesc
Moorland Indigestion Tablets
Paddi & Paddi Pads
Phensic
P.L.Jc
Revion Lipsticksc
Saxin
Supersoft Hair Sprayc
Tampaxc
Zoflora Disinfectant

## 7½ million women come shopping every week with *Woman's own*

The next woman's own Merchandising Bulletin will appear in the August 29 issue of Chemist and Druggist.

If you would like further copies of this Bulletin, or would like to receive them regularly by mail, please write to the Merchandising Manager, Woman's Own Advertisement Department, GEORGE NEWNES LTD. TOWER HOUSE, SOUTHAMPTON STREET, LONDON WC2 Temple Bar 4363.









Trimetts... announce... a brand-new







savoury... cheese... flavour

BLISSFUL, CRISPFUL BISCUIT

No question. This is the best taste that has ever come to slimmers. A savoury cheese flavour that is truly rich, creamy, satisfying—quite unlike anything they've ever tried before. Everyone knows that Trimetts\* taste specially good. But we really believe this new flavour will be the runaway favourite. Irresistible to slimmers of every kind!

SPREADING THE NEWS

It's good news, so we're spreading it

hard! Big advertisements, announcing the brand-new Trimetts flavour, will be appearing in women's magazines. A leap in sales is confidently forecast!

#### HAVE A BITE!

Even if you're not slimming, you might like to taste the new Trimetts. If this advertisement hasn't persuaded you to stock them, your first taste will.

\*Trimetts (trade mark) contain no appetite depressant drugs. Universal Laboratories Ltd., Sandwich, Kent.







## THE CHEMIST AND DRUGGIST

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 182

August 1, 1964

No. 4407

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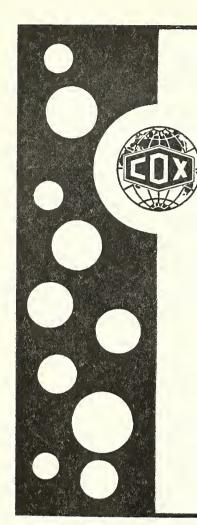
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GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679. LEEDS. 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

#### ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).



## PAIN RELIEF TABLETS

### A reliable and safe analgesic No aspirin or phenacetin

Packed in show outers of 1 dozen (cartoned vials each containing 24 tablets) and available under seven OWN NAME-OWN BRAND designs with arresting showcard

We would like to send you a full size sample and particulars of this well formulated product.

Please send a card to :-

ARTHUR H. COX & CO. LTD. BRIGHTON, ENGLAND

#### **Tidiness** increases efficiency!

#### STOREMASTER 20C

20 drawers all 8" wide, 7" high,  $10\frac{7}{8}$ " long, each with white identification card and transparent washable cover.

Overall cabinet size: 42" high, 35" wide, 12" deep. Stove enamelled dark green. £14,15.0



#### 54 DRAWER UNIT

Overall size 42" high x 35" wide x 12" deep. 54 Type 'A' drawers complete with one divider, white card and transparent protective shield per drawer. £18.0.0



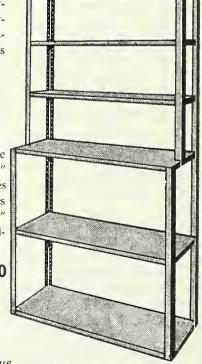


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#### LEDGE TYPE SHELVING

The ideal shelving unit for the storage of jars, bottles etc. 73" high x 36" wide with 3 shelves 12" deep and lower 3 shelves 18" deep giving a ledge 37" from the floor. Other sizes available. Prices on request.

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AUGUST 1. 1964

No. 4407

## Dispensing Doctors' Dispute

#### HIGH COURT GRANTS APPLICATION

THE decision of the Central N.H.S. (Chemist Contractors) Committee to apply for an order of mandamus directed to the Monmouth and Newport Executive Council concerning dispensing services provided by two Nantyglo doctors (see C. & D., July 11, p. 41) was carried a stage further in the High Court, London, on July 28, when Lord Parker (the Lord Chief Justice) gave leave to move for the order.

Mr. John Hayman, for John and Michael Williams (Brynmawr). Ltd., carrying on business as dispensing chemists at Beaufort Street. Brynmawr, made an ex parte application. Mr. Hayman said it had been the practice for many years in Wales for doctors to dispense medicines. The two doctors, however, did not exercise the right until 1961. "So far as I can discover there has never been a decision by the Executive Council that all the residents may be entitled to get their drugs from these two doctors," said counsel. "I say the position under the National Health Service Act is this: that from 1946 the normal supply of medicines and pharmaceutical service has to come from a chemist except where patients can satisfy the Council that they would have difficulty." Mr. Hayman then added, "My clients happen to be the nearest chemists."

#### Resale Prices Act

A GUIDE AND REGULATIONS

THE Registrar of Restrictive Trading Agreements has prepared some notes dealing with the procedure under the Resale Prices Act, 1964, for registering goods which are subject to resale price maintenance. Published as a Guide to the Registration of Goods under the Resale Prices Act, 1964 (H.M. Stationery Office, price eightpence), the notes point out that the effect of registration of goods is that arrangements for maintaining minimum resale prices of them can be continued after sections 1-4 of the Act come into force. It is also pointed out that, if a trade association duly gives a notice in respect of any goods, any supplier of them, whether or not he is a member of the association, can also continue his pricing arrangements. If a supplier wishes to rely on another person's notice he should take steps to assure himself that the notice covers all the goods that the notice covers all the goods in which he is concerned. Under the Act a notice claiming registration can be given only within the period of three months beginning one month after

the passing of the Act, that is, from August 16 to November 15. The registrar has no power to allow any extension of time or accept a notice given outside that period. Notices must be given on forms obtainable from the Registrar at Chancery House, Chancery Lane, London, W.C.2. Every notice claiming registration has to be accompanied by catalogues, price lists or other documents showing that the goods specified in the notice are supplied by the person making the claim. It is also necessary to submit a specimen of the conditions of sale on order forms or invoices and the notices under section 25 of the Restrictive Trade Practices Act, 1956, or other notices by which the arrangements for maintaining minimum resale prices are effected. The Resale Prices (Registration of Goods) Regulations, 1964 (H.M. Stationery Office, price fivepence) specifies the procedure to be followed in making claims. The Resale Prices (Register) (Fees) Regulations, 1964 (H.M. Stationery Office, price threepence) enable the Registrar to charge a fee of one-shilling for inspection of the register to be kept under the Resale Prices

Act. Certified copies of the Register are to cost two shillings per sheet or four shillings per sheet if larger than foolscap size.

#### Labelling of Medicines

CONSUMER COUNCIL TO INVESTIGATE

DURING 1964-65 the Consumer Council will be giving special attention to the adequate labelling of drugs and medicines sold over the counter, states the Council's first annual report (H.M. Stationery Office, price 2s.). The Council will also be studying the possibilities of a national labelling scheme for goods. It considers that more informative and accurate labelling would be helped by revising the merchandise marks legislation, and the Council's views on that subject are being prepared for submission to the Board of Trade. Among subjects dealt with by the Council during its first year were hire purchase, resale price maintenance, stamp trading, guarantees and shop and banking hours. The Council's grant-in-aid from the Board of Trade for 1964-65 is being raised from £60,000 to £125,000.

#### **Toxic Waste Disposal**

TECHNICAL COMMITTEE APPOINTED

THE Minister of Housing and Local Government and the Secretary of State for Scotland have appointed a technical committee to inquire into the disposal of solid and semi-solid toxic wastes from the chemical and allied industries. Under the chairmanship of Dr. A. Key (a senior chemical inspector, Ministry of Housing and Local Government) the committee will "examine suggestions for improvement and advise what, if any,

vise what, if any, changes are desirable in current practice, in the



RESTAURANT FOR EMPLOYEES: Recently completed water garden restaurant for employees at the new offices of the pharmaceuticals division, I m p e r i a l Chemical Industries, Ltd., at Alderley Park, Ches. The restaurant seats 300 and can also be used for dances and other social functions. It is situated on the edge of the ornamental lake in the Italian garden.

facilities available for disposal, and in control arrangements, in order to ensure that such wastes are disposed of safely and without risk of polluting water supplies and rivers."

#### **Medical Theories**

DRUG RESISTANCE AND RHESUS BABIES

"MOLECULAR Biology and the Newer Genetics" was the title of a series of papers at a symposium of the British Medical Association in Man-chester on July 23. Dr. Naomi Datta (lecturer in bacteriology, post-graduate Medical School, London), dealt with genetics in bacteriology and with anti-biotic resistance. Dr. Datta reported that a new mechanism for the development of drug resistance had been discovered and it was now certain that sensitive organisms of many bacterial genera might become drug-resistant by contact with other, already resistant, bacteria. The discovery was made in Japan but the phenomenon had been demonstrated in many bacterial strains in the United Kingdom. The infective resistance was often multiple, an organism becoming resistant simultaneously to two, three, or more drugs. Bacterial resistance was a subject of considerable controversy. One interpretation had been that, by growing in increasing drug concentrations, bacteria could be "trained" to become indifferent to the action of a drug. That implied that the whole or almost all of the bacterial population became resistant. Another view was that drug resistance was due to mutation in a small number of organisms which, in the presence of the antibiotic, overgrew all the rest. The two hypotheses were no longer thought of as being mutually exclusive. Both had been proved to play a part in the development of drug-resistance, and both rested ultimately on the genetic constitution of the bacterial cell. Dr. Datta referred to an outbreak of food poisoning in which some of the salmonella strains became simultaneously resistant to streptomycin, tetracycline and sulphonamide preparations. Such a transformation would be achieved by mutation. There was evidence that infective drug resistance was becoming commoner. Dr. C. A. Clarke (reader in medicine, Liverpool University) described a new approach to the prevention of rhesus haemolytic disease and said that investigations were in hand which it was hoped would eliminate the necessity of replacing blood in a rhesus baby. The technique involved giving the mother an antibody preparation immediately after the birth of the first baby. Thus it was hoped to free maternal blood from antibodies which were hostile to the next baby's existence.

#### Photographic Equipment

DELIVERIES UP FOR JANUARY-MARCH

THE value of deliveries of photographic equipment in the first quarter of 1964 was nearly one-fifth greater than a year earlier, according to the Board of Trade's *Business Monitor* (H.M. Stationery Office, 7s. 6d. a year). Home deliveries rose by more than one-fifth and accounted for most of the

increase; export deliveries increased by about a tenth. Output of photographic apparatus and accessories increased substantially between the first quarter of 1963 and the same period of 1964, being particularly marked for minia-ture cameras and for other photographic apparatus, accessories and parts. Deliveries of non-standard cinematographic cameras and projectors increased over the twelve months while those of standard 35-mm. types decreased. Deliveries of cinematographic apparatus and accessories showed a rise. Deliveries of sensitised materials continued generally higher than a year earlier although export deliveries of cinematographic film were

#### **Protein Requirements**

A WORKING PARTY REPORTS

A REPORT on "Requirements of Man for Protein," prepared by a working prepared by a working party under the chairmanship of Professor F. G. Young, F.R.S., for the Advisory Committee on Nutrition and Food Policy (for ultimate submission to the World Health and Food and Agricultural Organisations) has been published by the Ministry of Health (Reports on Public Health and Medical Subjects, No. 111. H.M. Stationery Office, price 5s. 6d. net). The working party was set up to consider the needs of man for protein in health, in disease and in trauma, with particular reference to the dietary background in Great Britain. Its findings are considered under the heads protein metabolism and its regulation; protein values of foods: requirements of protein in health, and the effects of disease and injury on protein requirements.

#### Production Survey

WHY GROWTH IS SLOWING DOWN

THE tenth of the quarterly production surveys conducted by the National Association of British Manufacturers shows generally rising production but the position is slightly less encouraging than for the first quarter of the year. It appears that production is tending to level off and that the tendency is likely to become somewhat more marked in the second half of the year because of shortages of labour, of production capacity and of some materials.

#### IRISH NEWS

THE REPUBLIC

#### **Absence of Supervision**

PHARMACIST FINED AFTER WARNINGS

SATISFIED that, in spite of warnings, correspondence and visits from an inspector of the Pharmaceutical Society of Ireland G. Crilly, M.P.S.I., Stradbally, Kilmacthomas, co. Waterford, had not personally managed his business, or employed a qualified person for the purpose, the justice imposed fincs of £5 under the Pharmacy Act and 10s. under the Poisons Act, at Portlaoise court on July 17, for having left his pharmacy in the charge of a counterhand. £2 2s. expenses and £2 2s. costs were allowed. The defendant admitted the offences. The Society's soli-

citor said that an inspector called at the pharmacy last October and found it under the control of an unqualfied person. A letter was subsequently sent from the Society and an inspector who called in December again found the pharmacy in the charge of an unqualified person. He added that on June 26 the inspector had once more found the pharmacy not properly supervised.

#### Guests of the Registrar

SOUTH AFRICAN VISITORS IN DUBLIN

THE registrar of the South African Pharmacy Board (Mr. F. Barrow) recently arrived in Dublin from the United States, accompanied by his wife. They were guests of the registrar of the Pharmaceutical Society of Ireland and Mrs. Coleman for some days before flying on to London. While in Dublin. Mr. Barrow met the president (Mr. D. J. Kennelly) and members of the council of the Society and visited the College of Pharmacy, Dublin.

#### **Examination Results**

SUCCESSFUL CANDIDATES

SUCCESSFUL candidates in the summer pharmacy examinations conducted by the National University of Ireland

First Science (Pharmacy), Geraldine M. Arnold, Olive F. Arnold, P. D. Bardon, J. Baynes, Mary P. Broe, C. M. Browne, F. J. Burgess, D. V. Cronin, D. Dempsey, J. J. Duddy, R. Doorgapershad, M. F. Flynn, M. J. Hennessy, Aileen M. McKenna, D. A. Reidy, Mary Treacy, Maeve B. Walsh, Second Science (Pharmacy), M. J. Browne, D. Corrigan, F. D. Fortune, P. J. Hogan, J. J. Holly, Mary P. McGrath, Mary B. Mahony, Mary Malone, O. L. Mordi, Hilary C. D. Thom, Eileen Wren, H. E. Young,

In the examinations held by the Pharmaceutical Society of Ireland, the following candidates were successful: Registered Druggist examination, T. E. Quirke; Second Professional examination, J. G. Brosnan. P. Coghlan, T. Cronin, Carmel Feeney, P. G. Flynn, Mary B. Hayden, M. McAuliffe, Helen McDonnell, A. Murphy, D. Murphy, Sunniva Sheehan, Ita Sheils (née Mulligan), Second Professional examination, Section (a), B. Berney Cait Breathnach, W. Butler, Annette Duddy, J. McEvoy, Mary O'Callaghan, Mary Perry, Margaret Plunkett, Therese Sheehan.

#### IRISH BREVITIES

THE NORTH

A QUANTITY of dexamphetaminecontaining preparations was stolen from the pharmacy of Mr. F. Murphy, 165 Spencer Road, Londonderry, recently.

THE REPUBLIC

GRANADA Chief, a greyhound owned by Mr. T. J. Barrett, M.P.S.I., 19 The Parade, Kilkenny, won the final of the McAlinden cup at Shelbourne Park, Dublin, on July 11.

#### NEWS IN BRIEF

THE retail price index for June was 107.4, against 107.0 in May (January 1962=100).

THE recently redecorated great hall of B.M.A. House (headquarters of the British Medical Association) is claimed to be now "one of the most attractive places of its kind in London."

THE supply of crystal violet vaccine to veterinary surgeons for use against swine fever is being discontinued by the Ministry of Agriculture, Fisheries and Food from August 10.

THE fire brigade were called to help get the water away when the premises of Timothy Whites & Taylors, Ltd., at Stafford, were flooded during a torrential storm recently.

THE first revision of the 10-year plans for developing the health and welfare services of local authorities has been published. It is the Health and Welfare, the Development of Community Care, Revision to 1973-74 (H.M. Stationery Office, price 22s. 6d.).

THE Union of Shop, Distributive and Allied Workers and the Multiple Tailors' Association have agreed on an increase in minimum wage rates, on a reduction in the working week from forty-four to forty-two hours, and on the introduction of a five-day working week.

THE Warble Fly (Dressing of Cattle) (Revocation) Order, 1964 (H.M. Stationery Office, price threepence), in force since July 23, revokes orders made under the Diseases of Animals Act 1950 requiring the periodical dressing of cattle infested with the maggot of the warble fly.

#### Courses and Conferences

Two one-week courses for management staff have been arranged by the Management Studies Centre, Fenwick House, High Holborn, London, W.C.1. They are:—"Theory and Practice of Stock Control," to be held at the College of Aeronautics, Cranfield, Beds, August 24–28, and "The Use of Operational Research in Business Management," to be held at Kings College, Cambridge, September 21–25. Fee for either course is £57 15s.

A RESIDENTIAL course designed to increase the skills and effectiveness of managers in retail business is being planned by Ashridge Management College for October 19–23. Subjects to be discussed include the selection, interviewing and training of staff, the reading of balance sheets, law and the retailer, security and methods of increasing profitability. The fee for the course is £47 5s. Further information can be obtained from the course organiser, Ashridge Management College, Berkhamsted, Herts.

#### SPORT

Golf

LONDON CHEMISTS' GOLFING SOCIETY. — A meeting was held at South Herts golf club on July 22, Results: Medal competition, Arthur H. Cox & Co., Ltd., prize, W. S. Hutcheon (15), 73; Harker Stagg, Ltd., prize, W. N. Cockburn (9), 75. Bogey. Savory & Moore cup and prize, D. Carter (6), 2 up. Other leading scorers were: H. Davis (14), 76; J. R. Jenkins (18), 76; D. C. Warren (18), 78.

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, A stableford competition was played for the Verona trophy at Walton Heath golf club on July 15. Results: 1, R. Hedges, Langley Park, 33 pts.; 2, G. Roberts, Wyke Green, 33 pts.; 3, D. Spier, Shirley Park, 30 pts. Scratch to seventeen handicap prize, F. Needham, Effingham, 29 pts. Eighteen and over handicap prize, J. L. Wrathall, Shirley Park, 20 pts. Best score on first nine holes, S. J. Martin, Ifield; Best score on last nine holes, D. Hobern, Walton Heath.

#### TOPICAL REFLECTIONS

By Xrayser

Payable

Sir Barnett Stross has been campaigning once more on behalf of the hospital pharmaceutical service and of those who give it. He took the opportunity on July 13 of addressing a question to the Minister on the subject of the closing of the dispensing service for out-patients at the Middlesex Hospital, with specific reference to the additional cost incurred by having the work undertaken by what he described as "outside chemists." The question was obviously designed to give prominence to the reasons for shortage of pharmaceutical staff in the hospital service, and Sir Barnett asked the Minister if he was aware of the disparity in the remuneration between pharmacists employed in chemists' shops and those in the hospital service. He went on to ask what steps the Minister would take to increase the remuneration of pharmacists to make it commensurate with their training and responsibility. The reply by Mr. Bernard Braine (Joint Parliamentary Secretary, Ministry of Health) was to the effect that there were difficulties, but that the salaries were those awarded recently by the Industrial Court "after consideration of the rates payable in retail pharmacy." In that statement and its nice choice of expression the position stands clearly revealed. In fact, the crux lies in one word "payable." Mr. Braine carefully said "payable"—not "paid"—for it is well known that the salary rate is higher than that which is merely payable. The rates which appeared in the negotiated retail scales were not of great assistance to the hospital pharmacists in their attempts to secure a fuller recognition of their position so that the remuneration might, in the words of Sir Barnett Stross, be commensurate with their training and responsibility.

#### Scientific meeting

The lay Press has given great prominence to an address, at the scientific meeting of the British Medical Association, given by Dr. J. E. Struthers, of the Ministry of Health. The Press—and the public, I discover—have been staggered by the revelations in the matter of what might euphemistically be described as unusual prescriptions. The speaker gave choice examples, such as a family who were prescribed 800 "purple hearts" a day; a woman who was given enough laxative every week for one hundred people; another who received each week a quart of a cascara aperient of which a drachm would have been a generous single dose, and other similar departures from normal practice. I have been wondering why the address should have been given to a scientific meeting, but then it has frequently been stated that medicine is not an exact science, and the examples quoted seem to go some way towards corroborating that impression. Public reaction towards the report came, in my case, from an indignant citizen who did not blame the doctors who had written the prescriptions, but the chemists who had dispensed them. I retired to restore my shattered morale with a dose of that proprietary enzyme preparation which Dr. Struthers thought was regarded by its prescriber as the Elixir of Life.

#### Change of mind

I note, from the report on p. 49 of your July 18 issue, that the Standing Pharmaceutical Advisory Committee has, after further consideration, come to the conclusion that the Committee was wrong and the Pharmaceutical Society was right in the matter of suitable containers for tablets. The advisory body had previously considered that folding cartons were, in certain circumstances, suitable containers for dispensed tablets, contrary to the opinion expressed by the Society. I was surprised that any pharmacist, much less an advisory committee, should have thought that, even under the best conditions, a folding carton afforded suitable protection for such a form of medication. Conditions less than the best include the occasions—and they are many—when medicine has to be carried about in the patient's pocket or handbag. It is time pharmacy faced its obligations in such matters. The pharmacist, from his training, his knowledge and his experience, knows that a folding carton is not fair to the medicine, the patient or the pharmacist himself.

## British Pharmaceutical Conference Papers

#### DETAILS OF CONTRIBUTIONS TO SCIENCE AND PROFESSIONAL SESSIONS

THE following papers are being presented at the British Pharmaceutical Conference, Edinburgh, September 14-18.

It is hoped that preprints of the science papers and the opening papers of the symposium and of the first professional session will be available before the meeting. They will be sent to those members of the Conference who request them on the "Preprint Request" card which was enclosed with the receipt for payment for the Conference tickets. The cards should be sent to the Conference secretaries, 17 Bloomsbury Square, London, W.C.1.

#### Monday morning, September 14 OPENING SESSION

not later than August 17.

"On a Sense of Proportion in Science." W. Mitchell (chairman of the Conference).

#### Monday afternoon, September 14 SCIENCE SESSION

Session A

1. Thin-layer Chromatography of Corticosteroids. A. Hall.

2. Some Aspects of the Use of Thin-Layer Chromatography in a Limit Test for Related Foreign Steroids. C. J. Clifford, J. V. Wilkinson and J. S. Wragg.

3. THE DETECTION AND IDENTIFICA-TION OF OTHER 17,21-DIHYDROXY-20-OXOSTEROIDS IN CORTICOSTEROIDS. C. A. Johnson and Sylvia Fowler.

4. POLAROGRAPHIC DETERMINATION OF MICROGRAMME QUANTITIES OF CHLORPROMAZINE. G. S. Porter.

5. A SPECIFIC METHOD FOR THE DETERMINATION OF AMPHETAMINE IN URINE. A. H. Beckett and M. Rowland.

6. DETERMINATION OF METHYL SALICYLATE IN PHARMACEUTICAL PREPARATIONS. S. G. E. Stevens and B. Warren.

Session B
7. The Influence of the Method of Evaluation on the Recovery of a Phage after Phenol Treatment. W. R. L. Brown, A. M. Cook and J.

Oduro-Yeboah.
8. The Effect of Tween 80 on the Growth Rate of Pseudomonas æruginosa. M. R. W. Brown and R. M. E. Richards.

9. THE UNSUITABILITY OF THE B.P. TESTS FOR STERILITY TO DETECT FUNGI. N. M. Chauhan and W. Walters.

10. EFFECT OF TWEEN 80 ON THE RESISTANCE OF Pseudomonas æruginosa TO CHEMICAL INACTIVATION.
M. R. W. Brown and R. M. E. Richards.

11. THE EFFECT OF CHLORHEXIDINE ON THE PERMEABILITY AND SUCCINOXIDASE ACTIVITY OF *Micrococcus lysodeikticus*. *D. Wiseman*.

12. BACTERICIDES IN OIL/WATER DISPERSIONS. H. S. Bean and S. M. Heaman-Ackah.

#### Tuesday morning, September 15 CONFERENCE LECTURE

"TRANSPLANTATION OF TISSUES AND ORGANS." Professor M. F. A. Woodruff.

#### Wednesday morning, September 16 SCIENCE SESSION

13. THE RELATIONSHIP BETWEEN ANALGESIC ACTIVITY, ACUTE TOXICITY AND CHEMICAL STRUCTURE IN ESTERS OF 14-HYDROXYCODEINONE. W. R. Buckett

14. AN ISOLATED PARASYMPATHETICALLY-INNERVATED ŒSOPHAGUS PREPARATION FROM THE CHICK, W. C. Bowman and Sally D. Everett.

15. METABOLISM OF SOME DIMETH-YLAMINOAZOBENZENE DERIVATIVES. P. J. Robinson, A. J. Ryan and S. E. Wright.

16. Antihistamine Protection against Histamine-induced Gastric Ulceration. *J. Watt and G. B. Eagleton.* 

17. A SIMPLE METHOD FOR THE EVALUATION OF LOCAL ANÆSTHETIC ACTIVITY USING EARTHWORMS. B. P. Block, D. J. Potts and R. S. H. Finney.

18. NEUROMUSCULAR BLOCKING

18. NEUROMUSCULAR BLOCKING AGENTS: ALKYL AND HETEROCYCLIC ANALOGUES OF SIMPLE LINEAR TRISONIUM COMPOUNDS, Fiona M. Carey, C. I. Furst, J. J. Lewis and J. B. Stenlake.

PROFESSIONAL SESSION
"PHARMACEUTICAL PROBLEMS OF
SELF MEDICATION." G. R. Boyes.

#### Wednesday afternoon, September 16 SCIENCE SESSION

19. THE INFLUENCE OF VEHICLES ON SKIN PENETRATION, C. W. Barrett, J. W. Hadgraft and I. Sarkany.

20. A PHYSICAL INDICATOR FOR STERILISATION PROCEDURES. D. E. Simpkins and G. R. Wilkinson,

21. Some Observations of the Effect of Lubrication on the Crushing Strength of Tablets. *E. Shotton and C. J. Lewis.*22. Tensile Strength of Steri-

LISED SURGICAL CATGUT, J. O. Dawson, T. W. Roylance and T. Smith,

23. THE DETECTION OF PYROGEN BY POLAROGRAPHY, I. F. Jones and R. C. Kaye

Kaye.
24. Bactericidal Effect upon Pseudomonas æruginosa of Chemical Agents for Use in Ophthalmic Solutions. W. B. Hugo and J. H. S. Foster.

#### Thursday morning, September 17 SYMPOSIUM SESSION

"Aerosols." Opening papers: "General Aspects of Aerosols." *J. Pickthall*; "Pharmaceutical Aspects of Aerosols," *R. Marsden*; "The Hazards of Aerosols," *G. F. Phillips and K. Dixon*.

#### Friday morning, September 18 SCIENCE SESSION

25. Some Properties of Bronopol, A New Antimicrobial Agent Active Against *Pseudomonas pyocyanea*. Betty Croshaw, M. J. Groves and B. Lessel.

26. UMBELLIFEROUS FRUIT IDENTIFICATION BY THIN-LAYER CHROMATOGRA-PHY T. J. Betts.

PHY, T. J. Betts.
27. THE ASSAY OF NUX VOMICA AND ITS PREPARATIONS, Hilda M. Perry and M. J. Shanpard.

M. L. Sheppard.
28. Preparation and Biological Activity of Some Complexes of Try-

PANOCIDAL PHENANTHRIDINIUM COM-POUNDS, M. J. Groves and E. C. Wilmshurst.

Wilmshurst.
29. A Temperature Dependent Micellar Change, J. E. Adderson and H. Taylor.

30. REPRODUCIBILITY OF EXTINCTIONS MEASURED ON THE SLOPES OF ABSORPTION CURVES. M. Ismail and A. L. Glenn.

#### PROFESSIONAL SESSION

"THE MEMBERSHIP SURVEY AND FUTURE NEEDS FOR PHARMACEUTICAL MANPOWER." Introduction by F. W. Adams followed by comments on "RETAIL ASPECTS," H. G. Moss; "HOSPITAL ASPECTS," H. S. Grainger; "INDUSTRIAL ASPECTS," J. C. Hanbury; "EDUCATIONAL ASPECTS," Professor A, H. Beckett.

#### Friday afternoon, September 18 SCIENCE SESSION

31. MATHEMATICAL TREATMENT OF ORAL SUSTAINED RELEASE DRUG FORMULATIONS, M. Rowland and A. H. Beckett.

32. ALKALOIDS OF THE LEAVES OF Rauwolfia vomitoria Afz. M. B. Patel, J. Poisson, J. L. Pousset and J. M. Rowson.

33. REACTION OF EPHEDRINE WITH CHLOROFORM, H. Williams.

#### **INQUESTS**

"Drugs Passport" Suggestion. — A suggestion that each addict should have a "drugs passport" with details showing the quantity of drugs and the treatment being prescribed, was made by the Southwark coroner recently. He was commenting at the inquest on Robert Henry, Bredon Road, Camberwell, London, S.E.5, who had died after taking a large overdose. The coroner suggested that his system would cut down the possibility of addicts going to one doctor after another, getting ten times the amount of drugs they required, and selling the remainder on the black market. The present system failed because there was insufficient liaison between doctors.

"A Veritable Chemist's Shop." -The North Dorset Coroner at Sherborne on July 23 suggested there should be some control of drug supplies to patients suffering from mental illness. He was conducting an inquest on Mrs. Irene Barker, Cheap Street, Sherborne, who committed suicide by taking an overdose of barbiturate tablets. coroner, to whom police had handed a cardboard box containing numerous bottles found at the woman's home, said: "Here we have a veritable chemist's shop scattered in the various rooms of this flat and they were prescribed for this lady. She in fact took her own life by an overdose. . . I do not think it would have made the slightest difference in this particular case if there had been only twenty capsules. I think this lady would have taken them. with the same fatal result." He recorded a verdict of suicide while the balance of mind was disturbed.

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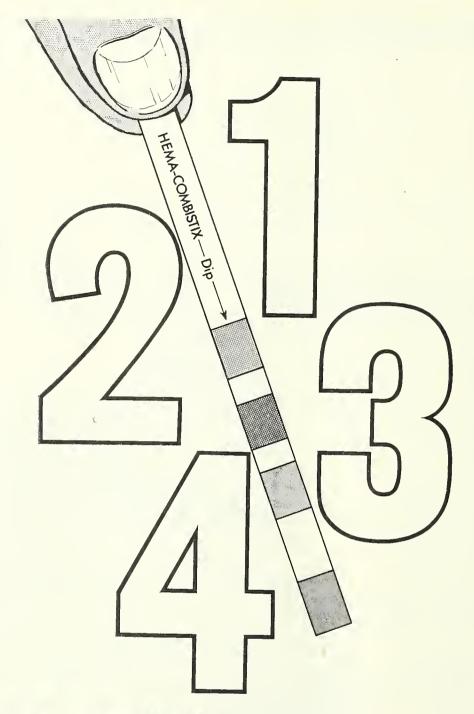
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#### IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

QUESTIONS were asked by MR. W. HAMILTON about the total amount collected in National Health Service charges in 1963-64 and the proportion of it spent on the hospital building programme. MR. J. A. STODART (the Under-Secretary of State for Scotland) said on July 22 that the provisional total for Scotland was £4\frac{3}{4} millions excluding charges made by local health authorities. There was no direct connection between such receipts and expenditure on the hospital building programme. Later, when MR. A. WOODBURN asked if the Under-Secretary would ensure that the Government would completely disregard "the shameful suggestion of the British Medical Association" that further impediments should be put in the way of patients obtaining medicaments, MR. STODART said he did not think there was any evidence of any impediment.

#### Door-to-door Sales

MR. W. SHEPHERD asked the Minister for Industry and Trade if he would take steps to require the licensing of "all businesses calling at homes for the purpose of sales for gain with requisite exemptions in respect of milk, bread, laundry and similar businesses." Mr. EDWARD HEATH (Minister for Industry and Trade), said on July 23 that he understood the Consumer Council was considering the matter and he awaited its views with interest. Mr. Shepherd pointed out that a great deal of anxiety existed about the malpractices of doorto-door salesmen. Mr. HEATH realised the deepening public anxiety about the problem. The Molony Committee had examined it and decided that registration or licensing was not practicable. But the Consumer Council took the problem as one of the first three subjects for immediate consideration after it was formed and Mr. Heath therefore said he would await its findings in the matter.

#### Resale Price Maintenance

Mr. Gresham Cooke asked the Minister for Industry and Trade what criteria he would use in maintaining the order in which resale price maintenance cases would be referred to the Restrictive Practices Court, and whether he would take into account the desire of the various organisations and manufacturers seeking exemption to have their cases delayed so long as possible either because of the complexity of their case or their inability to finance an effective defence. That was specially important in the early stages, before the views of the Court on the general issues involved about the precise meaning of the new Act had become clear. MR. HEATH, in a written reply on July 23, stated "Until we know what is registered I cannot say on what grounds it may be desirable to give directions to the Registrar about the order of references to the Court."

#### Merchandise Marks,

MRS. J. BUTLER asked the Minister for Industry and Trade what action

had been taken or was proposed in implementing the Molony report concerning the present labelling regulations and the enforcement of the Merchandise Marks Act, MR. HEATH, in a written reply on July 27, indicated that his department had invited comments on preliminary proposals for revised merchandise marks legislation.

#### Voluntary Price Regulation Scheme

MR. K. ROBINSON asked the Minister of Health what estimate he had made of the annual cost to the National Health Service of increasing, from three years to four, the period in which new research-based drugs were free of all price control, as provided in the new Voluntary Price Regulation Scheme. MR. A. BARBER (Minister of Health) in a written reply on July 27 stated that extension of the period from three to four years was offset by the reduction of that period for other products. He had no reason to suppose that any significant extra cost would be incurred.

#### Over-prescribing of Drugs

In a written reply to MR, W. HAMIL-TON on July 27, MR. BARBER said that nineteen doctors had been formally warned during the two years ended June 30, and that in the same period Regional Medical Officers had paid about 1,600 informal visits to doctors.

SIR BARNETT JANNER asked the Minister of Health about a doctor who had prescribed 800 "purple heart" tablets a day for a Lancashire family. Mr. BARBER in a written answer on July 27 stated: "I understand that in this case, which occurred in 1961, several doctors were prescribing for about a dozen people living at the same address. Doctors are visited by my regional medical officers to discuss prescribing matters and there are special arrangements for the scrutiny of individual prescriptions involving excessive quantity or cost. Some cases of over-prescribing are referred to the Local Medical Committee and, where the circumstances warrant it, remuneration is withheld from the doctor."

#### Family Doctor Service

MR. K. ROBINSON initiated a debate on the family doctor service on July 27. He said that general practice was facing a critical situation in the National Health Service. He referred to a report of a speech by the Minister of Health saying that he would protect the family doctor from the minority of time-consuming patients who placed on doctors a burden out of all proportion to their number. Mr. Robinson wanted to know if that could be interpreted as giving "support and comfort to those doctors who wished to charge for their services." Mr. BARBER replied: "In the context of what I was saying, I made no reference to the imposition of any charge for consultation, which is certainly not the policy of this Government, nor ever has been." MR. ROBINSON: "I merely said that he was in danger of being interpreted as giving aid in support of this attitude.

I want to state categorically that a Labour Government would have nothing whatever to do with any such proposition of charging a fee for patients' visiting or being visited by their doctors.

I hope I am right in saying that the Minister gave an equally categorical assurance on behalf of the Conservative Government." MR. BARBER: "I will give it now." MR. ROBINSON: "I am delighted to hear that."

Later when replying to the debate MR. BARBER said there was a "lot of misunderstanding" about the method of payment of general practitioners, even by practitioners themselves. "They do not always realise that in addition to the net pay which is recommended by the independent review body, every penny of practice expenses as agreed with the Inland Revenue is reimbursed to the profession out of public funds. Together with the doctor's net remuneration which now averages £2,765 a year, the addition of the reimbursed practice expenses brings his average gross income from public funds to something over £4,200 a year."

A method of easing the burden on general practitioners was to increase their numbers. It had been decided to provide a new medical school at the University of Nottingham. It would involve the building of a new teaching hospital with about 1,200 beds and a medical school planned for an annual entry of 100 students.

#### Civil Science

The Government's proposals for the reorganisation of civil science were announced by MR. QUINTIN HOGG (Secretary for Science and Education) in a written answer to SIR HARRY LEGGE-BOURKE on July 28. The present advisory Council for Scientific Policy will be replaced by a committee to be called Council of Scientific Policy. The Council will advise the Secretary of State in the formulation and execution of general scientific policy especially on national scientific needs. It is also proposed to form three new bodies:-The Science Research Council, that would take over the Department of Scientific and Industrial Research's task of university support and awards. The Natural Environment Research Council would support research in the field of environmental sciences and natural resources. An Industrial Research and Development Authority will continue and extend the work hitherto carried on by the D.S.I.R. in relation to industrial research and development. There are to be no changes in the present functions of the Medical Research Council and the Agricultural Research

#### Drugs (Prevention of Misuse) Bill

It was expected at the time of going to press that the Drugs (Prevention of Misuse) Bill would receive the Royal Assent on July 31.

#### LEGAL REPORTS

#### A Deficiency in Vitamin A

For selling capsules deficient in vitamin A, Mrs. Annie Thomas, Cross Pharmacy, Bryn Road, Laughor, nr. Swansea, was fincd £25 by the Gowerton magistrates on July 22. Mrs. Thomas, who had pleaded not guilty, was ordered to pay £7 costs. She said she thought the halibut liver oil capsules had been in stock about 12-18 months. The pharmacist said she had no intention of selling the capsules. Not one of the tins in the consignment had been sold since September 1963.

#### **COMPANY NEWS**

Previous year's figures in parentheses

HORLICKS, LTD,—Mr. G. A. Mobbs has been elected a non-executive director.

STAFFORD-MILLER, LTD. — Mr. V. T. Kelly (marketing sales manager), has been appointed a director.

ASPRO-NICHOLAS, LTD. — Mr. C. M. Beddow has been appointed to the board as director in charge of group finance.

COCKBURN & CO., LTD. — Net trading profits for year ended March 31 increased to £25.628 (from £7,787). Ordinary dividend is unchanged at 5 per cent.

UNITED STATES BORAX AND CHEMICAL CORPORATION. — Profits for the nine months ended June 30 have risen some \$1,400,000 on last year to \$6,465,000, equal, after preferred dividends, to \$1.44 (against \$1.11) a share.

ILFORD, LTD.—An increase in interim dividend from the equivalent of  $2\frac{1}{2}$  per cent. to  $3\frac{1}{2}$  per cent. is being recommended in order to reduce the disparity between the two payments. Last year a total equivalent to  $8\frac{3}{4}$  per cent. was paid. Lord Rockley has been appointed deputy chairman.

GNOME PHOTOGRAPHIC PRODUCTS, LTD.—The board propose a one-for-five scrip issue and an Ordinary dividend of 25 per cent. (against 22 per cent. a year earlier, when there was also a capital distribution of 2 per cent. tax free). Net profit for the year ended May 31 rose to £60,401 (from £53,879), after tax of £67,802 (£60,982).

£53,879), after tax of £67,802 (£60,982).

QUICKFIT & QUARTZ, LTD.—

Mr. Brian H. Turpin (managing director, James A. Jobling & Co., Ltd.), has been appointed chairman of Quickfit & Quartz, Ltd., and of Q.V.F., Ltd., of both of which companies he has been until now vice-chairman. Mr. C. J. Draper joins the boards of both Mcssrs. Quickfit & Quartz and Q.V.F. Mr. Turpin succeeds Mr. Joseph McKell (chairman, James A. Jobling).

ANCHOR CHEMICAL CO., LTD.—An interim dividend of  $4\frac{1}{2}$  per cent. is to be paid in respect of the year ending November 30, on capital increased by a 50 per cent. scrip issue. Group profit before tax for the first six months of the financial year amounted to £131,499 (£116,483 for the similar period). The chairman reports that the improvement is being well maintained and is broadly based throughout the company's various activities.

TAKEDA CHEMICAL INDUSTRIES, Japan.—In his annual report, Mr. C. Takeda (chairman) says continued sales growth is expected and the current year's earnings may again rise to new records, although the increase may not be as great as the exceptional increases of the past two or three years. Although restrictive economic measures were introduced at the end of 1963, the Japanese pharmaceutical industry achieved a record increase in production in the year ended March 31, 1964. Total sales of the company rose 33 per cent. to yen 73,298 millions, operating profits rose 40 per cent. to yen 14,295 millions, and net earnings, after taxes, rose 30 per cent. to yen 6,695 millions. The company's sales of pharmaceuticals rose by 34 per cent. to yen 58,232 millions compared with a 24 per cent. rise to yen 330,000 millions in the value of the industry's production in the calendar year 1963. [1,012 yen=£1 sterling.]

#### BUSINESS CHANGES

SALES FORCE, LTD., have removed to 13 New Burlington Place, Regent Street, London, W.1 (telephone: Regent 3243).

PARFUMS DE LUCIEN LELONG, LTD., have removed to St. John's Gate Building, 86 Clerkenwell Road, London, E.C.1 (telephone: Clerkenwell 2336).

DOROTHY GRAY, LTD., are removing their office, factory and laboratory to Marshall Road, Hampden Park, Eastbourne, Sussex (telephone: Eastbourne 51162) on August 10. The company's Raynes Park premises are closing down on August 6. Urgent orders meanwhile are being undertaken from the Grosvenor Street, London office (telephone: Mayfair 6596).

#### **Appointments**

PARKSTONE & BOURNEMOUTH CO-OPERATIVE SOCIETY, LTD., have appointed Mr. W. W. Campbell their superintendent chemist.

BURROUGHS WELLCOME & CO., 183 Euston Road, London, N.W.1, have appointed Mr. L. J. Walker, F.P.S. (manager, pharmaceutical division, Wellcome Chemical Works, Dartford, since 1951), chief pharmacist at the works. Mr. J. B. Wynn, B.Pharm., F.P.S., succeeds Mr. Walker as manager of the pharmaceutical division.

FISONS PHARMACEUTICALS, LTD., Loughborough, Leics, have appointed the following area executives: Messrs. M. Howe (Northumberland): J. S. O'Connell (Dublin); S. L. Middleton (Middlesex); J. R. Payne (South-east London); D. K. Darlow (part Warwickshire and South Birmingham); C. O. Bartlett (Monmouthshire and East Glamorgan): J. H. Lewis (Oxford, Buckinghamshire, Berkshire); and L. N. Salter (Bedford, Hertford, North London).

BROWN & POLSON (SALES). LTD., Esher, Surrey, state that to meet the needs of the company's expansion into the baby-food market [with Gerber products] it has been necessary to reorganise certain departments, Mr. W. C. Harding has been appointed field sales manager of the Brown &

Polson sales force; Mr. J. Sinclair is sales development manager; Mr. K. R. Jamieson, field sales manager for the Gerber sales force with two regional managers, Messrs. G. Hankins and T. Welton handling respectively the Southern and Northern regions.

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts, have appointed the following to their agricultural sales force:—Messrs. D. J. Axtell (Gloucester, Somerset, Wiltshire, Dorset): F. C. Crowe (Northern Scotland); M. S. Davidson (Stirling, Clackmannan, Kinross, Fife, Lothians, Peebles, Selkirk, Roxburgh, Berwick); R. Kennedy (North and East Ridings, Durham): N. McClean (Northern and Southern Ireland): R. A. Reid (Argyllshire, Dunbarton, Renfrew, Ayr, Lanark, Wigtown, Kirkcudbright, Dumfries); G. E. Thomas (Cheshire and North Wales including Montgomery); and E. G. Williams (South Wales and Monmouth, including Cardigan and Radnor).

#### **PERSONALITIES**

MR. R. C. MITTEN, M.P.S., who assists in the pharmacy of his father (Mr. C. G. Mitten, M.P.S.), has also joined him on the Midhurst parish council. At twenty-five, Mr. R. C. Mitten is the council's youngest member.

MR. T. E. RIDDLE, M.P.S., a member of the sales staff of British Schering, Ltd., retired on June 30, after thirty-four years' service. Mr. Riddle qualified in 1922 at the Westminster School of Pharmacy and spent many years as a representative and later as a manager in home sales.

MR. C. C. STEVENS, LL.B., M.P.S. (chairman, Macclesfield and District Hospital Management Committee and a member, Manchester Regional Hospital Board) has been appointed a member of the National Staff Committee set up in accordance with the Lycett Green report on hospital administrative staffing.

MR. OWEN CORRIGAN, son of Mr. H. P. Corrigan (a member of Council of the Pharmaceutical Society of Ireland) recorded the fastest time in the marathon Liffey swim in Dublin recently and followed this on July 17 by coming third in the men's 800 metres' championship of Ireland, the winner of which set up a new Irish record of 10 minutes, 31 seconds. On the same night Owen added to his achievements by winning the men's 100 metres' butterfly event.

DR. A. H. BECKETT, head of the school of pharmacy, Chelsea College of Science and Technology (one of the colleges recommended for elevation to university status in the Robbins' report) has been appointed to a professorship in anticipation of the grant of a charter to the College. Professor Beckett, in conjunction with his research students, has published over 100 research papers. Under his supervision twenty-four research students have obtained the Ph.D. degree of London University. He has been a visiting professor in the United States and Canada and has acted as an examiner in pharmaceutical chemistry for the University of London, the Uni-

versity of Singapore, the Kwame Nkrumah University of Science and Technology, Ghana, and the Pharmaceutical Society of Great Britain. He has been an invited speaker at many international meetings in medicinal chemistry, pharmacy, chemistry and pharmacology. Professor Beckett has also served or is serving on many national and international committees, for example the British Pharmacopæia, British Pharmaceutical Codex, British Veterinary Codex, World Health Organisation and International Pharmaceutical Federation, Along with [United States] Professor Alfred Burger he founded the Journal of Medicinal Chemistry.

#### **MARRIAGES**

BARRETT — JOYCE. — At the Church of the Assumption, Booterstown, co. Dublin, on July 18, Mr. Michael J. Barrett, M.P.S.I., Ard-na-Greine, Ballina, co. Mayo, to Miss Brid Joyce, Seafort Parade, Williamstown, co. Dublin.

#### **DEATHS**

BARWICK.—On July 4, Mr. Wilfrid Lionel John Barwick, M.P.S., 8 West Town Lane, Brislington, Bristol, 4. Mr. Barwick qualified in 1930 and had been in business in Brislington for many years.

BENEDETTI. — On July 12, Mr. Luciano Benedetto Francesco Benedetti, M.P.S., 9 Faskally Avenue, Bishopbriggs, Lanarks. Mr. Benedetti qualified in 1948.

BOYDELL.—Recently, Mr. Edward Boydell, M.P.S., 6 Woodend Avenue, Maghull, Lancs. Mr. Boydell qualified in 1922.

EVANS.—On June 29, Mr. Francis John Evans, M.P.S., c/o Boots, Ltd., 18 Fore Street, Fowey, Cornwall. Mr. Evans qualified in 1940.

GEORGE. — Suddenly, on July 21, Mr. Evan Thomas George, M.P.S., 7 Ryecroft, Harlow, Essex. Mr. George qualified in 1940.

HOPSON.—On July 8, Mr. Claude Ewart Hopson, F.P.S., 17 May Avenue, Wollaton, Nottingham. Mr. Hopson qualified in 1920.

MILLS.—On July 12, Mr. John Stuart Mills, M.P.S., 30 Sun Lane, Harpenden, Herts. Mr. Mills qualified in 1936. He was deputy chairman of Hertfordshire Pharmaceutical Services Committee and a former secretary of St. Albans and District branch of the National Pharmaceutical Union.

OWLES.—On April 28, Mr. Thomas Richard Owles, M.P.S., 12 Richmond Road, New Barnet, Barnet, Herts. Mr. Owles qualified in 1904.

RADFORD.—Recently, Mr. Griffin Radford, M.P.S., 8 Nuttall Street, Alfreton, Derbyshire. Mr. Radford qualified in 1921.

RICHARDS. — On July 12, Mr. James Park Richards, M.P.S., 1028 Shettleston Road, Glasgow, E.2. Mr. Richards qualified in 1929.

WARD.—On July 4, Mr. Cecil Ward, M.P.S., 221 Soho Road, Handsworth, Birmingham, 21, Warwicks. Mr. Ward qualified in 1921.

#### NEW PRODUCTS AND PACKS

#### PHARMACEUTICAL SPECIALITIES

Diagnostic Aids.—Ames Co. (a division of Miles Laboratories, Ltd.), Stoke Court, Stoke Poges, Bucks, are launching on August 4 two new diagnostic products: Hema-Combistix in bottle of 100 and Hemastix in bottle of forty. The Hema-Combistix reagent strips bring a step nearcr, state the manufaccomprehensive dip-and-read turers. urine analysis. With the new strip tests it becomes possible to test a urine sample for pH, glucose, protein and blood with one strip. Hemastix test for blood in urine is available separately.

Antibiotic for Topical Treatment.-Leo Laboratories, Ltd., Copenhagen, London and Dublin, have launched a new speciality, Variotin, described as having a high specific activity against a wide range of common pathogenic fungi. Indicated in athlete's foot, "Dhobie itch," intertrigo, and other fungal infections of the skin, nails and scalp, the product is claimed to cause neither skin irritation nor sensitisation; to have no side reactions on prolonged application; not to be inhibited by the presence of serum; and not to have its activity affected by changes of ph. In use, Variotin is applied to the affected area two or three times daily. If the lesion is moist with blisters, the Variotin is spread fairly thickly on gauze and the gauze applied to the affected area by means of bandage. The product is presented in a 10-gm. tube containing 3,000 units per gm. in neutral ointment base (one unit is defined as the minimum amount in 1 mil required to inhibit the growth of Peni-cillium chrysogenum Q-176 in Czapek-Dox agar medium.

#### COSMETICS AND TOILETRIES

A Fluoride Dentifrice from France.

— Marshall's Pharmaceuticals, Ltd., 15A Sibley Grove, London, E.12, are distributors in Great Britain of Fluocaril antiseptic fluoride tooth-paste, manufactured in France by Laboratoires Goupil, Paris. Fluocaril is available only to chemists (as in France, the United States, Canada, Belgium, Germany, Switzerland and Italy).

"Piggy Bank" Bubble Bath.—André Philippe, Ltd., 71 Gowan Avenue, London, S.W.6, have added to their bubble-bath range a "piggy bank" filled with bubble-bath fluid in emerald green, Bermuda blue, Madrid orange or coral red. After use, the container makes a coin bank holding approximately £6 worth of sixpenny pieces. A thin film



of plastic covering the aperture is automatically broken when the coin is inserted. The decorations on the bottle are hand painted and fired, and the gold cord is described as non-tarnishable. A booklet printed in gold, white and maroon contains full instructions. The capacity of the pack is approximately 7 oz., and they are issued in outers of 1 doz. assorted colours. The perfume is French pine.

Eye-liner Brush. — A new eye-liner brush by Eylure, Ltd., 60 Bridge Road East, Welwyn Garden City, Herts, is claimed to make eye-lining easier than ever before. The handle is shaped for a comfortable and firm grip, enabling the eye-liner to be applied more accurately than with an ordinary brush. A matching cap fits over the sable tip so that the brush may be carried about.

New Products in the Range.—Guerlain, Ltd., 22 Aintree Road, Perivale, Greenford, Middlesex, have added to their Chant d'Aromes and Mitsouko ranges soaps in toilet and bath sizes (3- and 6-oz. respectively) and in their Chantbre d'Amis range a box of twelve guest soaps under the Chant d'Aromes and Mitsouko titles in iris, jasmin, Jicky and Fleurs des Alpes fragrances. Messrs. Guerlain's sun cream No. 132 is now available in beige doré and white in addition to clair, and two new make-ups for Autumn and the Christmas season are entitled Enchantress and Rose de Noel respectively.

#### SUNDRIES

Another Size in "Luxury Quality."
—The Kotex feminine towels range of Kimberly-Clark, Ltd., Larkfield, Maidstone, Kent, now includes a luxury-quality size "O" towel, claimed the first at that quality and price range. It is being launched with a "three-pence off" offer to the customer but full pence profit to the stockist. Each bag contains ten towels.

Soft Tissue at a Popular Price, — Bowater - Scott Corporation, Ltd., Bowater House, London, S.W.1, have made available, to meet the demands of persons who feel they cannot afford soft toilet tissues, a new 2-ply kind, Petal, which is now in national dis-



tribution. The product has already been tested in several areas. In the North of England, where the first sales tests were carried out, the quota allocated for an eight-month period is stated to have been sold out in as many weeks. Petal is available in pink, blue and white.

#### TRADE NOTES

Now Tax-free.—FBA Pharmaceuticals, Ltd., Burrell Road, Haywards Heath, Sussex, state that Yomesan (niclosamide) is now exempt from tax.

Discontinued.—G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, have deleted from their list of products Floraquin powder, Mictine tablets, Mornidine tablets and Rolicton tablets.

Leaflet Available, — G. T. Fulford Co. (U.K.), Ltd., Cornwall Road, Hatch End, Middlesex, state that copies are available of a special professional leaflet giving details about the use of Prodan antiseptic surfactant against dandruff.

Temporarily Withdrawn. — Parke, Davis & Co., Staines Road, Hounslow, Middlesex, have decided temporarily to withdraw Sernylan parenteral from the market pending further studies. Meanwhile the company offer full credit and postage for any stocks, opened or unopened, returned to Hounslow.

Not Quite the First.—In an announcement recently by Klosterfrau (Great Britain), Ltd., 16 Berkeley Street, London, W.1, the company's product Nopaine was described as "the first spray-on plastic bandage." That distinction, though sincerely claimed, is now acknowledged by Messrs. Klosterfrau to be rightly held by another manufacturer. In fact more than one spray-on plastic bandage was already on the market.

Available for Free Showing.—Frank Cooper, Ltd., Oxford, have produced a film "Oxford Life," which they will be pleased to loan free of charge to organisations. The film runs for approximately twenty minutes. It shows university life and Oxford city traditions. In colour and sound, it has no advertising, being presented solely "with the compliments of Frank Cooper, Ltd., Oxford"). The acknowledgment appears for approximately 4 sec. at the finish of the film.

Druggists' Exhibition.—Intending exhibitors at Indrofa (international chemmists' and druggists' trade exhibition), Cologne, Western Germany, September 24-28, number 519—the highest number in the series so far. Toilet and hygiene requisites are being shown by 158 exhibitors and pharmaceutical and allied preparations by seventy-seven. Photographic supplies, foods, cleaning materials, paints and pesticides are among other goods that will be on display.

Contest Winners.—Mrs. Marion Roberts, an assistant to Mr. J. Stonefield, M.P.S., 1 Rhodes Parade, Quarry Hill Flats, Leeds, 9, has won first prize in the Optrex chemists' assistants contest launched in May (prize: a weekend in Paris for two people). Winner of the second prize is Mrs. Iris Bradshaw (Boots, Ltd., 21 King Street, London, W.6); third: Miss Freda Bruce (Timothy Whites & Taylors, Ltd., Market Place, Ripon, Yorks). Prizes were presented in Leeds on July 22 by Mr. H. M. Seward (managing director of Optrex, Ltd.). Twenty runners-up received £1 Premium Bonds.

Display Competition.—Morny, Ltd., 201 Regent Street, London, W.1, have announced the prize-winners in their Pink Lilac window-display competition. In category "B" (stockists other than department stores with full-time display staff), the prize-winners were:—1 (£100): Smith Chemists (Medway), Ltd., 320 Canterbury Street, Gillingham, Kent; 2 (£75), Heppells (1932), Ltd., 1 The Arcade, Bognor Regis, Sussex; 3 (£50), G. H. Chapman, M.P.S., 121 Manchester Road, Chorlton-cum-Hardy, Manchester, 21. There were also ten merit awards of £10 each.

Shop Refit as Prize.—In a competition sponsored jointly by Vick International, Ltd., 10 New Burlington Street, London, W.1, and Nordia (William Mason & Son, Ltd., Leeds), chemists are invited to compete for a modernisation of the shop (excluding dispensary) with Nordia fittings to the value of £1,150, "plus full merchandising assistance on completion." Second prize comprises shop fittings to the value of £100, or cash; and third prize fittings value £50, or cash. There are also twelve regional prizes of £10 each. Entrants are required to design and put in, between October 1 and October 17, a window display featuring Vick range of products against colds and coughs (Vick vapour rub, cough drops, inhaler, and formula 44 bronchial decongestant and Therex decongestant tablets); photograph the display; and send a print (not less than en-print size) to the company not later than October 20. The displays will be judged from the photographs.

"Mystery Shopper" Awards. — First twenty-one chemists to be rewarded with £5 by the "mystery shopper" for their positioning of Kwells showcards have been announced by Nicholas Products, Ltd., Slough, Bucks. They are Salmon & Atkinson, Ltd., Stockton; L. R. Bowskill, King's Lynn, Norfolk; H. S. Turner, Ltd., St. Ives; A. Sidney Campkin & Sons, Cambridge; J. J. Taylor, London, W.2; Davies & Long, London, W.1; J. R. Armour, Harrow, Middlesex; R. C. Frank Chemists, Ltd., Stanmore, Middlesex, Anglo-Francaise Pharmacies, Ltd., Bushey, Herts; F. P. Watson, Ltd., Lincoln; A. L. Gilbert, Eckington, nr. Sheffield, Yorks; F. W. Towle & Sons (Derby), Ltd., Derby; Frank Battersby, Haddenham, nr. Ely, Cambs; F. G. E. Plumstead, Attleborough, Norfolk; Duckworths (Arthur Duckworth, Ltd.), Colne, Lancs; J. H. Hoyle, Stacksteads, Bacup, Lancs; E. H. Reeder, Preston; P. J. Thorpe, Ltd., West Ealing, Middlesex; M. V. Westlake, Ltd., Ashford, Middlesex; Kent & Son (J. F. Norrie), East Molesey, Surrey.

Sleeping Bag at Reduced Price. — To help meet the increasing need for flame-resistant nightwear, H. J. Heinz Co., Ltd., Harlesden, London, N.W.10, have had a sleeping bag specially designed and made from Verel (which is understood to retain its flame-resistant properties even after constant washing). Customers may obtain the sleeping bag, in pink or blue, between



August 29 and October 31 for 30s. plus six Heinz baby food labels. As the baby grows the bag may be converted into a dressing gown by cutting off at a specially prepared hemline. The offer is being advertised with a full-colour full page advertisement in Woman on August 29 (the date on which the new regulations for flame-resistant nightdresses for children are expected to come into force). Point-of-sale material is available.

#### **Holiday Closings**

Most manufacturers are closed on Bank holiday Monday. The following exceptional arrangements should be noted:—

GLAXO LABORATORIES, LTD., Skeleton staff available at Greenford and Dukinfield warehouses to deal with emergency orders from 9 a.m. to noon on Saturday, August 1. Bargeddie warehouse operating as usual.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER),

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, and Scottish depôt at Cumbernauld, closed from 12 noon on Friday.

PHARMAX, LTD., Thames Road, Crayford, Kent. Urgent supplies from John Bell & Croyden. 50 Wigmore Street, London, W.1 (telephone: Welbeck 5555).

UNICHEM, LTD. Full Saturday service available on Saturday, August 1.

JOHN WYETH & BROTHER, LTD., Taplow, Maidenhead, Berks, Emergency supplies from John Bell & Croyden.

#### **Christmas Showrooms**

THE following have been notified:—
COTY (ENGLAND), LTD., Station Hotel, ABERDEEN, August 3-5; City Hotel, LONDONDERRY, August 5-6.

#### **Bonus Offers**

W. B. CARTWRIGHT, LTD., Rawdon. Leeds. Bunty baby products, Moorland indigestion tablets. Penetrol products. Cetal tablets and Cabdrivers' linctus. Extra 2½ per cent. on 50s. order; 5 per cent. on £5; 7½ per cent. on £7 10s.; 10 per cent. on £10 order.

Marshall's Pharmaceuticals, Ltd., 15a Sibley Grove, London, E.12. Fluocaril (French-made fluoride toothpaste). Sixteen invoiced as twelve. Introductory offer.

Moore Medicinal Products, Ltd., Aberdeen, Bydolax capsules (30's). Fourteen invoiced as twelve. Until December 31.

#### INFORMATION WANTED

The Editor would appreciate information about:

Ultrakool aerosol Glucoval eye lotion or drops

## Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

#### Contracting

SIR,—After thirty years in pharmacy, always as a proprietor, I have lately been forced to do all the dispensing myself. Consequently I am now classed as a "small contractor," and have to be eliminated as uneconomic. National Health Service remuneration is now based mainly on dispensing fees, so the local doctors have, by common consent, doubled prescription quantities. Consequently this "small contractor" has contracted by 50 per cent. and must now withdraw from the N.H.S. CONTRACTED OUT

#### Dispensing as a "Catch Trade"

SIR,—I was interested to read Mr. Patrick's letter (C. & D., July 11, p. 36) concerning Mr. Sparshott's proposal. He probably has a small point in what he says, but a good economy would put right any shortage. I must also remind him that over many decades the multiples have reduced successfully the value of dispensing to such a permanent low that it will never reach anything like its true value in my lifetime or his. No doubt dispensing was only an advertisement to them, and needed little or no profit, in order to give prestige value to the selling of handbags and stationery, but such was the success of the scheme that not only the general public, but successive governments also, have tended to look on dispensing as a catch trade to bring people into the pharmacy. Unfortunately or otherwise, I don't sell handbags, or stationery, or books, or paintings, or pudding basins, so dispensing has a greater value for me, because I am one of the minority who likes being a pharmacist.

C. Brower, Portslade, Sussex

#### Scheduled Out of Existence?

SIR,—I read with amazement your report (C. & D., July 11, p. 42) of the case of a pharmacist brought before the Statutory Committee for supplying intramammary penicillin without prescription. Though he had already been punished for that trivial offence in the magistrates' court, it was also felt necessary to decide whether he should be deprived of his living by being struck off the register! Surely some sense of proportion should have been exercised, bearing in mind the large quantities of potentially dangerous drugs that are being peddled at the present time. I could not agree more with the pharmacist's attitude towards the veterinary surgeons. Many veterinarians are taking full advantage of the restrictions on pharmacists in the supply of scheduled drugs, prescrip-tions for which are rare these days because the products (like many nonscheduled veterinary preparations) are being supplied by the "vets." them-selves often at inflated prices, to the detriment of the customer and the pharmacist. This, in my opinion, is

quite unethical, and unless something is done soon to halt the trend it will not be worth while carrying stocks of veterinary preparations. Truly the veterinary preparations. Truly the pharmacist is becoming scheduled out of existence!

A. W. Woods, Robertsbridge, Sussex

#### Unichem Membership

SIR,—Supporting the remarks of Mr. A. R. Miles (C. & D., July 18, p. 59), I realise I too must be a "second-class citizen." Having, during three years of management, been educated to Unichem theory I was disgusted, on applying for membership, to be refused. The position was made unique by the fact that I had already traded with them. The excuse used was that I "had not financial control" of my shop. It disgusts me to see weekly advertisements asking independent pharmacists to join when my own application and those of several of my friends have been refused. The advertisement is deliberately misleading. It should read SELECTIVE not COLLECTIVE security. Come on, Crown House, wake up. Either stop the ridiculous present system and welcome all independent pharmacists, or hand over to the National Pharmaceutical Union, who work for the good of all independent pharmacists and not just the chosen few.
ALLAN H. LAW

London, S.W.19

#### **Promoting a Merger**

SIR,—Regarding Mr. Talvan Rees' suggestion that Unichem and Ucal should amalgamate he, if anybody, should know that oil and water do not man. I can think of no valid reason for his suggestion unless it is partly pecuniary, whereby Ucal might pay dividends at last. I speak purely as a Unichem member. My views are entirely personal. Perhaps Mr. Rees will let us know what Ucal have to offer to Unichem members. I have always regarded Unichem as a very efficient and personal institution: one to which I consider it a privilege to belong (and I mean belong; not just a customer). Private pharmacists who are in business on their own account and who are not Unichem members do not know what they are missing

> EDGAR M. WILLIAMS, Chatham, Kent

SIR,—At the annual meeting of Ucal, Ltd., recently, the company's chairman (Mr. F. L. Dent) refused to accept the motion as worded in my letter published in the C. & D. (July 11, p. 36). After discussion, the following was accepted by him without a vote being taken:-

In view of the identity of interests as between United Chemists Association, Ltd., and Unichem, Ltd., the directors of United Chemists Association, Ltd., be requested to investigate the possibility of active co-operation between the

two companies to the mutual advantage of the private retail pharmacist

The view has been expressed that that wording leaves the directors of Ucal free to decide the question without direct contact with Unichem and subsequently to take no action. therefore, continuing to compile a list of Ucal shareholders who are dissatisfied with the present position, with the possibility of further action being taken if and when necessary, and I shall be pleased to hear from any who have not already replied. May I make it clear that the action I have taken has no connection with my membership of the N.P.U. Executive Committee, but is founded on my personal belief that private pharmacy will be best served in the future by uniting the identity of the interests of these two companies in their service to the private pharma-

> W. TALVAN REES, Cheltenham

#### Remuneration Settlement

SIR,—It was inevitable, I suppose, that there would be some who, no matter what terms our negotiating Committee had agreed with the Ministry for National Health Service remuneration, would have complained or objected. The objectors, however, to whom I take the strongest possible exception are those smaller contractors who, far from suffering a cut in 1961, received in fact an increase, yet are now complaining because the larger contractor, after two and a half years, is in future to be paid on a more reasonable basis. This is the more reasonable basis. more objectionable when it appears that the Contractors Committee is discussing the introduction of some form of subsidy which will, so we learn, come out of the pockets of medium and larger contractors. I recently heard, for example, of one small contractor whose average ingredient cost was about 10s, per prescription, against a national average, according to published figures, of 6s. 8d. That means that whilst I, and most other contractors in the middle groups, have been receiving an average oncost of 18 per cent. (or maybe less) on 6s. 8d., amounting approximately to 1s. 2½d. per prescription, they have been re-ceiving an oncost of 25 per cent. on 10s. amounting to 2s. 6d. per prescription, more than double what I and the majority of contractors have been receiving. Furthermore, in contrast with those of us in urban areas (and I do not mean City High Streets) where overhead expenses such as rents, rates and even salaries are sky-rocketing, the net outgoings of those in country areas are considerably lower. The possibility, for example, of renewing the lease of our property when it expires, at a rent of less than £500-700 per annum is almost non-existent, and this relationship no doubt applies to most if not all of the other overheads. Whilst, for the benefit of pharmacy as

a whole and its image in the eyes of the general public, it is desirable that a pharmaceutical service should be available wherever it is reasonably practicable, there are limits to which the great bulk of contractors should be expected to subsidise those in rural areas. Since the Committee is considering some form of subsidy I would have thought that those concerned could at least have awaited those proposals before protesting with such volubility. I do not recollect that, when Mr. Powell imposed his cut in 1961 and the great majority of contractors suffered a substantial drop in their net remuneration, there was any offer on the part of those smaller chemists to afford us a subsidy out of the increase they G. MORGAN, were receiving. Guildford, Surrey

#### Friends of the Grocer

SIR,-Retail chemists who are not yet aware of what some of their "manufacturing friends" are up to should invest eightpence and buy this week's issue of The Grocer, which contains a most instructive supplement entitled "Modern Selling." Here are a few tit-bits: Under the bold heading, "MEDICINES—a healthy way of making grocery store profits," Mr. J. J. Clark, merchandising manager of Beecham's Proprietary Medicines (one can see why they dropped the word "Pharmaceuticals") says to grocers, "Proprietary medicines are highly susceptible to impulse purchasing.' follows this highly irresponsible advice with the following points "Attributes of proprietary medicines are (1) highgross margins; (2) low-operating costs; (3) splendid net profit results (Bravo! Mr. Clark); (4) customer service—' proprietary medicines are yet another service' (if this isn't humbug, what is?) the grocer can offer to his custo-mers." Further suggestions are "keep to the nationally advertised products (where is the service now?), and "Get behind expanding products. Knowledgable manufacturers will be able to tell you which types of medicines should be given priority."—If ever there was an example of the need for restricting medicines to pharmacists this is one of the best. In effect, Beecham's are saying to the grocer that, however ignorant he is, they will sort it all out for him and push the medicines willynilly on to the public. Finally, Mr. Clark says to grocers "A new look in pharmaceuticals will certainly pay-in ' I suggest chemists take a profits! new look at Beecham Proprietary Medicines and start supporting the manufacturers who support them — I also suggest that any chemist who has not sold at least 3 doz. Tixylix elixir this year is a mug. I pick this out because it is a good example of a firstclass product, made by a first class company and has been on generous bonus terms for months and is "chemists only," of course (we sold about 15 doz.). The second little ray of sunshine in *The Grocer* Supplement concerns the Hudnut-Lambert-Dubarry Group of Companies [a portrait of Mr. H. D. Dammers (the Group's marketing director) accompanies the story but Mr. Dammers states that the article

was not written by him.—EDITOR]. I do not criticise the ethics of the company, which is not mainly concerned with proprietary medicines and therefore is entitled to seek any outlet for its products and indeed would be foolish not to do so. However, retail chemists should take heed of the article, which shows the Richard Hudnut range and the new Dubarry hair range alongside the headline: New Ranges Are Aimed at the Grocery Outlets" (indeed, one wonders why, then, their representatives bother to call on chemists). The significant part of the article says, "the leading manufacturers of specialist toiletry lines were conducting a series of tests together with independent grocers and supermarket chains to find the best formula for merchandising (I wonder what is wrong with the words "goods" and "sell"?) their products. Several important manufacturers (retail chemists would no doubt like to know which) have been held back from making a concerted bid to get grocery business, because they believed that, in

so doing, they would offend their chemist customers—the backbone of their business." (We agree on one thing!) He goes on to say, "Toiletries manufacturers are now starting to market new products in the expectation that a large part of the sales volume will be through grocery outlets." Fair enough. What chemists must beware of is allowing the manufacturer to get away with all the fast-selling lines only in supermarkets and leaving the chemist to carry the slower lines involving different shades, etc., which take time to sell. It is to be hoped that all retail chemists will ask the cosmetic representatives who call on them what the future policy of their company will be and act accordingly in the matter of display and support for new lines. If chemists do not take active steps, now, to protect their own interests in this way, they may find that eventually even the most exclusive toiletries have been filched from them, and then "too late" will be the cry.

R. J. HAYHURST. Nelson, Lancs

#### PRESERVATIVES AND ANTIOXIDANTS

#### Pharmaceutical Society's joint symposium with cosmetic chemists

A SYMPOSIUM on preservatives and antioxidants is being held at the Connaught Rooms, Great Queen Street, London, W.C.2, on November 17. It is jointly sponsored by the Pharmaceutical Society of Great Britain and the Society of Cosmetic Chemists of Great Britain. The programme consists of ten papers prepared by well-known authors, and the symposium periods are being devoted to discussion of the papers, which will be circulated beforehand to registered participants. The morning programme, under the chairmanship of Mr. A. Herzka, B.Sc., F.R.I.C. (president, Society of Cosmetic Chemists of Great Britain), is as follows:—

a.m.

9.30 "Assessment of the Safety of Food Additives," A. C. Frazer, C.B.E., M.D., D.Sc., F.R.C.P. (department of medical biochemistry and pharmacology, Birmingham University).

10.00 "Some Reflections on Chemical Additives and Treatments, their Functions and Safety in Food Manufacture," J. B. M. Coppock, O.B.E. (director of research, Spillers, Ltd.).

10.45 "Measurement and Prevention of Oxidative Deterioration of Cosmetics and Pharmaceuticals," J. P. Ostendorf (N.V. Chemische Fabriek "Naarden" Naarden, Holland).

11.15 "Band Shape on Dyed Paper as a Method of Chromatography for Oils and Fats," D. W. Poxon, B.Sc., D.L.C., F.R.I.C., A.T.I. (senior lecturer in organic chemistry, department of applied science, Loughborough College of Technology).

11.45 "An Added Dimension in Packaging—Protection of the Package and its Contents against U.V. Light," A.R. Brown (Technical Service Supervisor, Cyanamid of Great Britain, Ltd.).

During the afternoon the chairman will be E. Shotton, B.Sc., Ph.D., F.P.S., F.R.I.C. (professor of pharmaceutics,

School of Pharmacy, University of London), and the following papers will be read:—
p.m.

2.15 "The Preservation of Shampoos."
D. M. Bryce, B.Pharm., B.Sc., F.R.I.C., F.P.S., and R. Smart, B.Sc., A.R.I.C., M.I.Biol. (standards department, Boots Pure Drug Co., Ltd.).

2.45 "The Activity of Antibacterials in Two-phase Systems," H. S. Bean, Ph.D. (School of Pharmacy, Chelsea College of Science and Technology).

3.15 "Hygiene in Manufacturing Plant and its Effect on the Preservation of Emulsions," Mrs. D. L. Wedderburn, B.Sc. (Unilever Research Laboratory, Isleworth).
4.0 "The Selection and Use of Bac-

4.0 "The Selection and Use of Bactericides and Antioxidants in Injectable Products," R. I. Felix (Dista Products, Ltd.).

4.30 "The Preservation of Ophthalmic Preparations," M. R. W. Brown, Ph.D., and D. A. Norton, B.Sc., F.P.S., D.B.A., A.C.T. (Birm.) (School of Pharmacy, Bristol).

Members of the Pharmaceutical Society or members of societies affiliated to the International Federation of Societies of Cosmetic Chemists will be required to pay a registration of £3 3s. and others a registration fee of £6 6s. Registration forms, together with full details may be obtained from the organising secretary, E. L. Robins, The Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1.

#### BRANCH EVENTS

SHROPSHIRE Social Evening

THE chairman of the Shropshire Branch of the Pharmaceutical Society (Mr. C. H. Francis) welcomed twenty-five members and friends to a reception held at Ludlow on July 9. After dinner the party went on to Ludlow castle to see a festival production of Shakespeare's Merchant of Venice.



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#### Misdirected Fire of a Crusader

THE quality control of drugs is a topic of growing importance among those who give serious thought to the health and welfare of the nation. Unfortunately it is likely in the process to become, if it has not already done so, a subject of political controversy, with all that that may imply in wrong emphases and travestied interpretations. It is therefore more than ever essential that those who are most intimately concerned with the fundamentals of the problem should be clearly aware of their extent and present them in a manner most likely to be effective.

The National Health Service, and especially the size of the "drug bill" (a term ready-made for newspaper headlines) have tended to concentrate attention on a single facet of the problem, but dispensed drugs are in fact but one area in which demands for control are being pressed. Manufactured medicines are no less involved.

It is to be regretted that the Pharmaceutical Society, in producing its scheme for the control of medicines (C. & D., July 25, p. 76) has not first, by giving the basic facts of the present situation, provided a clear demonstration to the public at large of the need for stricter controls. Without that introduction any scheme is likely to seem grandiose and unnecessary.

It is regrettable too, perhaps, that one who has had a unique experience in the quality control of drugs and medicines, and whose reported work has highlighted the necessity of control, was not among the members of the committee appointed by the Department of Pharmaceutical Sciences of the Pharmaceutical Society by which the recommendations were made. Perhaps, even on the worldly-wise principle "If you can't beat 'em, join 'em," it would have been an astute move to include Mr. F. G. Stock among the members of the committee. That omission, however, though it may have left the way open for an attack on the committee's findings from that quarter, does not excuse Mr. Stock's outburst at the British Medical Association's scientific meeting in Manchester, in which he seems to have "hit out regardless," before an audience of doctors, at the Pharmaceutical Society and at many of his pharmacist colleagues who are chemist contractors under the National Health Service. However sincerely and altruistically motivated, Mr. Stock has forfeited by his methods much of the sympathy for his views that might otherwise have been forthcoming from the membership at large. Not only did he choose the wrong audience but in our view was guilty of exaggerations that are hard to forgive. His thesis that control should be independent of the Society is a tenable viewpoint. Examples could however be cited (the Society's administration of the Pharmacy and Poisons Act is one) of disinterested action in the community's service by apparently interested parties. The question of knowledge and competence also comes in, and that point was no doubt in the minds of the Committee when it recommended that "the Pharmaceutical Society would be an appropriate executive organisation" under the overall responsibility of the Government. The whole subject calls for dispassionate argument of the pros and cons, and Mr. Stock's heated attacks on pharmacy and pharmacists, made as they were to an audience of non-pharmacists, have made that so much the more difficult to encompass.

#### 5-HT as a Teratogen

A POSSIBLE connection between 5-hydroxytryptamine (5-HT) and feetal abnormalities is suggested in an editorial comment published in the July issue of the London Clinic Medical Journal. The writer points out that surveys throughout the world have shown that between  $2\frac{1}{2}$  and  $3\frac{1}{2}$  per cent. of all babies are born with gross abnormalities, but that the ætiology of most cases remains unknown. 5-HT, which is found in many body tissues, has been shown in animals to cause fætal death when injected into the mother during late pregnancy, death in mice occurring when the 5-HT content of the placenta is at only two to three times the normal value. Levels of 5-HT raised by those proportions have been found in the placentæ from cases of pre-eclamptic toxæmia in humans, and the writer speculates that that may be due to reduced activity of mono-amine oxidase, the enzyme responsible for 5-HT inactivation. He suggests that, since 5-HT causes impaired placental function, teratogenic effects may be produced early in pregnancy by the fœtus being deprived of oxygen, a known cause of congenital abnormalities. Thus if large amounts are present for some reason late in pregnancy, toxæmia reactions are produced; if present early in pregnancy when the fœtus is susceptible to the action of teratogens, abnormalities may be produced. To test his hypothesis, the writer would carry out serial investigation of 5-HT blood levels and urinary excretion during the early stages of pregnancy, later following the outcome of pregnancy. One encouraging feature of such research, he says, would be that, if a correlation were found between 5-HT levels and the incidence of abnormalities, then the teratogenic effects could be prevented by the use of 5-HT antagonists.

#### A PHARMACIST'S ANTHOLOGY

#### **DESCENDING TO 'COMMON CRAZE'**

From comments by A. P. Herbert in *Punch* (1929) on Pharmacy Week, 1929. "the chemists' first essay at national advertising."

It saddens me a little to see so level-headed a body of men descending to the common craze for slogans. Are not their jolly miscellaneous shops and windows the best possible inducements to trade? I never go into a chemist's without wanting to buy the whole shop. And if only more of them would decorate their windows with those large and lovely red and green bottles, so rarely seen today, I should always be ill.

#### HOSPITAL PHARMACY FORUM

## LOGIC OF NOTIONAL SALARIES

POLOGIES, dear reader, for returning to the one subject that burns in the mind of every hospital pharmacist—salaries, reward for labour or, as Mr. Barber says, "payment for services." How can Mr. Barber say to contractors that services must be reasonably paid for, and a profit allowed, and on the other hand tell hospital pharmacists that he cannot pay salaries comparable with retail earnings? How can hospital pharmacists be told, and argued with, that the N.J.I.C. scales represent the salaries contractor proprietor pharmacists consider employee pharmacists are worth, when the proprietor contractor is held to be worth a notional salary of £1,750? How come that the proprietor is worth about £400-500 more than an employee manager (N.J.I.C. rates)? Does the proprietor, in fact, do any more than the Chief Pharmacist in any busy hospital in seeing that public money is properly and efficiently spent? What are the grounds for saying that there should be this big differential? Mark that the £1,750 notional salary of a proprietor is plus any profits that can be made out of the business (scripts and all the other things that are now sold). The notional salary of a Chief Pharmacist is in the region of £1,340. Is it considered that a proprictor pharmacist has duties and worth to the value of another £400? It seems incredible that that should be so. Are we again in the realms of politics? The Government knows how easy it is for retail pharmacy to divide and almost defeat the House. Are we now seeing the real results of political manœuvre? Hard lines for the public service if that is so. To those involved—salary-wise—it must seem that politics extend to channels that should be free from any such pressures. Even the largest trade unions are beginning to feel that the normal machinery of negotiations is not free from political bias. How the smaller bodies must be suffering. Politics is something public scrvice has sought to avoid. It may be that now is the time to change coats and to raise Cain about the conditions under which negotiations take place. It seems highly significant that the Minister (with the knowledge and authority of his colleagues) entered into the battle himself, and took the contractors' negotiations out of the normal machinery. Why not know look at the public arm of the service, Mr. Barber? See how hospital pharmacists fare, and having seen, do something to put things right. For something must be done quickly. Fewer and fewer pharmacists are entering the public service, and only money will alter the picture. Having allowed contractors £6 x 105, how about just £0.5 x 105 for the hospital field? That amount, properly shared out amongst the grades, would help towards a stable service, and plug one of the drains on the Exchequer. Or would the Ministry, perhaps, like to see all out-patient prescriptions dispensed in retail establishments. No doubt contractors would, and so would, no doubt, many manufacturers of "ethical" products. The patient, of course, would strenuously resist any move of that nature, as would the majority of consultants and medical staff in the service.

There seems a vicious circle here that needs breakingand the only person to do it is the Minister, as he did for the contractors. Just £500,000, Mr. Barber, one-twelfth of the sum for the contractors, and a little peace can reign in hospital pharmaceutical departments for a little time!

#### Quality Control in the Hospital

Quality control is taking on greater importance with the increasing size of hospital contracts, and the widening field of manufacturers submitting tenders. Most hospital pharmacists have exercised some sort of control over the materials purchased. Warranty, for a long time, has not been the sole safeguard. With pending legislation it seems that some co-ordination of this effort will be needed, and here, of

course, lies one of the functions of Regional Pharmaceutical Advisory Committees. Besides giving advice to their Boards when asked for it, they may initiate advice too, and in the field of quality control who better to advise the Boards as to how, why, when and where? All Pharmaceutical Advisory Committees should be live. If some are not, why not now begin to organise the quality control needed, stating where such facilities should be, who should organise and staff them, how much apparatus is needed, etc. Better that pharmacists should do it now than that it be forced upon an unwilling service. Planning quality control ought also to be coupled with an exercise on staffing and accommodation—and what material that exercise should throw up! In fact, an exercise on staffing and accommodation might well precede one on quality control. It is hoped that enough stimulus has been given to readers to encourage their Advisory Committees to do something. But further action is needed, namely to make sure that all the information gathered reaches the right quarters: the Board and the Minister, Back to you, Mr. Barber.

#### Success With a Child's Balloon

Readers may like to know that the problem of sealing off a cavity in a lung, whilst draining an empyema, using a balloon (see C. & D., June 27, p. 652) worked very well with an ordinary toy balloon. No latex balloon was found that anywhere near filled the space, but the usual decorative balloon did. The patient is now up and about.

#### Drug Share Movements

#### THREE MONTHS ENDED JULY 31

STIMULATED by a flow of good results announced by companies, buyers predominated in the Stock markets during most of July. There was a sharp halt to the move-ment on publication of the June overseas trading figures but it proved to be only temporary. Pharmaceutical company shares enjoyed a good deal of the investor-interest and prices moved higher on a broad front.

Cussons Group were prominent on the higher profits and a dividend increased by 5 per cent. At 26s. the shares were 2s. higher.

Dixor attracted support up to 1s. 6d., the price at which they closed the period (up threepence)—while Macarthys Pharmaceuticals encountered a demand which lifted them ninepence to 16s. 9d.

Following good trading results shares of Sanitas Trust rose 1s. 9d. to 20s. 3d. Beecham Group were fractionally firmer at 21s. 10½d., while The British Drug Houses moved up 1s. 6d. to 15s. 6d. Arnold M. Gee were bought at 2s. 5¼d. and ended the period three-halfpence better at 2s.  $4\frac{1}{2}d$ .

Optimistic forecasts by the chairman of Boots Pure Drug was reflected in an increase of sixpence to 26s. 3d. in the price of that company's shares. Yardley "A" shares met with a fair demand and with dealers of them the price moved we sixpence to 20s. Gala Company's graying the price moved up sixpence to 20s. Gala Cosmetics group were bought, the price rising 2s. 6d. to 30s. 9d. Sangers improved ninepence to 5s. 6d. while Stevenson & Howell added sixpence at 16s. 6d. at which level they were bought.

Of those to move against holders Aspro-Nicholas shed

threepence to 15s. 9d. despite a 1 per cent, increase (to 15 per cent.) in the dividend and a record group net profit. Vitamins were an easier market and slipped back sixpence to 10s. 6d. at which price they attracted support. Reckitt & Colmans came on offer and receded 2s. 9d. to 33s. 3d.

On the Dublin Stock Exchange, May Roberts (Ireland)

were prominent despite the lower net profit (£26,775 against £32,594) but maintained 20 per cent. dividend; the shares added 1s. 9d. at 76s. 9d. P. C. Cahill added 1s. 2d. at 58s. 8d. but James Crean & Son (1936) were unchanged at 12s. 6d.

## "OPEN SHOP"

An unscripted commentary on the special problems of the pharmacist in general practice

E. C. TENNER

O the pattern of our Health Service remuneration is now settled-for how long: a decade? The machinery seems agreed and available to keep the pattern one we are prepared to wear. Unless that machinery is used continuously, the pattern will wear out in parts and will cease to please us as a whole. The big struggle with the Ministry of Health will be to keep our professional fee abreast of the rising cost of living. Our professional fee is very much a question for our Pharmaceutical Society. We now know the value of the fee we charge for dispensing a National Health item; is it not logical for the Pharmaceutical Society to guide its members in the charging of a somewhat higher fee for dispensing an item for a private patient? The Ministry of Health expects to pay us a lower "oncost" than is normal for us and the lowest "fee" they can negotiate on the strength of the large number of items the nation pays for. The Pharmaceutical Society should guide its members soon. "The pill" has brought our professional fee into the minds of most of us as an urgent practical problem. A Fourth Schedule item needs our professional service—how many of us are charging a fee beyond the 25 per cent, profit shown in the retail prices suggested by most proprietary manufacturers? Should a proper pharmaceutical fee be something in excess of half-a-crown? Should our Council consider how we could obtain some just professional fee for our services? I believe that if we were given leadership (guidance) we should gladly follow. Scottish doctors have been advised to "avoid the subject of cost" when giving prescriptions to private patients. Our Society might well approach the British Medical Association to write similarly to English doctors, but it is of practical importance that we should all be aware of what should be a realistic professional fee.

#### Parking Too Long at the Metre?

Another subject of epoch-making importance should be considered in detail by the Council and members of the Pharmaceutical Society: namely the switch to the metric system in medicine and pharmacy. Behind the scenes, maybe, discussions on this vital business are going on, and decisions are being made that will concern every pharmacist at his dispensing bench, but the Council should be involving all of us at this penultimate stage in the conversion to the metric system from the apothecaries' and avoirdupois heirlooms. Is 1966 the year when it will happen? What will happen to our old friends the traditional dispensing weights and measures? It will be illegal to use them. What sizes will the metric medicine bottles be? What will replace teaspoons and tablespoons? I feel sure that, whatever it is, it will never easily become popular cutlery. The British public will need educating into the use of the new utensil, if that is the word. What will happen to old private prescriptions on repetition? Much information may be gained from New Zealand, where "metricisation" has already taken place. That misbegotten word does nothing to make the process more attractive. There will be many headaches for older pharmacists and doctors—and patients—that can be avoided if everyone starts soon to think things out. The subject is a proper one for autumn pharmaceutical branch meetings, but it will soon be too late to express opinions usefully. Has the Council gone into the matter in any detail yet? When will they set us talking about it? The metric system is coming and pharmacists will have to explain it to doctors.

#### Stifling

Mr. Donald Sparshott has sometimes voiced opinions I have not agreed with, but I voted for him in the recent Council election. I have never worked for the company he

helps to direct: he got my vote because I have come to regard him as a pharmacist with strength of mind, sound judgment generally, and above all, courage. He polled enough to show that many must have shared my views. I naturally wondered what would happen when he moved a resolution—"to test the feelings of the Council "—urging a reconsideration of a contentious decision. Not surprisingly the old Council blanket has been got out and thrown over this brash new Councillor. All we have been told is: "He hoped the concession which permitted training to be taken before graduation would be continued for the next five years. The motion was seconded by Mr. Howells and discussed by the Council. On a vote being taken, the motion was defeated."

All we can tell of the feelings of the Council is that Mr. Howells seconded Mr. Sparshott and they lost the motion. Mr. Sparshott, however, now may know more. I hope he will not be stifled by the blanket. That blanket already stifles interest in the annual Council election. I hope Mr. Sparshott will be able to throw it off. We have a right to know what was said on each side of his case and by whom. We ought to know how the Council divided. In any case, we are going to find out what stuff Mr. Sparshott is made of. He has the opportunity to bring the Councillors to life. We wait hopefully to see that happen.

#### New Thinking Needed on Competitiveness

It has been a relief to get our Health Service remuneration crystallised, even if the crystals could have been more valuable. Now we are better able to turn our attention to coping with the dangers thrust upon us by the repeal of resale price maintenance. In the past, the National Pharmaceutical Union has always frowned on collective buying by chemists because the Union supported the then policies of the Proprietary Articles Trade Association. Now things are drastically different. Small chemists' businesses everywhere are united in the N.P.U. and could, through proper use of that organisation, be placed in a position to buy proprietary articles at prices as low as any large competitor can obtain. To achieve that desirable objective it would be necessary to overcome many practical difficulties by really new thinking and great determination. The N.P.U. is already sponsoring competitive products, but it seems to me that is only patching up the leaks in a boat that is rapidly needing a complete overhaul and refit. Much lip service is paid to the name Mallinson and visions he materialised. Now we have a new problem and need new vision and a new name. Who will come forward with a scheme by which the N.P.U. can place each of its members on an equal cost-price status with the growing number of retail competitors?

#### **NEW BOOKS**

#### **Croner's Reference Book for Employers**

WALTER B. POLLARD (*Editor*). Croner Publications, Ltd. 143 London Road, Kingston-upon-Thames, Surrey.  $7\frac{1}{4}$  x 5 in. Pp. 324. £4 (including monthly amendment service for one year; subsequent amendment service £2 10s. a year).

THE veritable deluge of legislation that issues from White-hall tends to overwhelm equally as much by its variety as by its volume. The need for a working guide such as Croner's "Reference Book for Employers," to help those who must occasionally refer to legal provisions, therefore hardly needs to be emphasised. The book aims to provide references to the regulations that have to be observed by employers "in respect of their relations with manual workers and all other employees, together with other general information." By using its loose-leaf system and

monthly amendment service, subscribers are assured of having on hand up-to-date and accurate information on the subjects it deals with. An important point is that the system is adequately indexed. The information is provided in readily understandable form under suitable headings, enabling appropriate references to be quickly located. Altogether the guide is useful not only for executives in larger organisations, but also for those others who have use for abstracts of a variety of Acts and Regulations, including the Factories Act, 1961, the Clean Air Act, 1956, Workmen's Compensation Acts, the Shops Act, 1950, and the Offices, Shops and Railway Premises Act, 1963. There are also sections dealing with National Insurance and with private retirement schemes. Altogether the book is a useful reference and guide.

### Any Business Questions?

I was recently involved in a logal action, together with the eompany of which I am a director. The eompany paid my legal expenses, and as it is a fact that the action would not have involved me otherwise than by reason of my position, the legal expenditure was, in my view, properly paid by the company. The inspector of taxes now says I must be assessed as if the legal expenditure were part of my remuneration. Is this correct?

It is correct. A recent decision in the courts on the point makes it clear that legal expenses paid in respect of a director are assessable on his remuneration, even if the company may have paid them for its own purposes.

I am planning an increase in staff, mainly juniors, but understand there may be recruitment problems because of changes in school-leaving dates and so on. What, please, is the position now?

You can expect a record number of school leavers looking for jobs at the end of the summer term. In fact, the number of young people leaving school this summer may well exceed last summer's' record total of 372,000. Some young people who could have left at Easter are staying on until the end of the summer term. That development follows the introduction in England and Wales of two school-leaving datesat the end of the Easter and summer terms—and a reduction in the number of school-leaving dates in Scotland. The tendency among young people to stay on at school until the end of the summer term may well continue in the future. After the summer leavers there will be relatively few school leavers in England and Wales until Easter and summer 1965. In Scotland, too, there will be fewer leavers during the winter months than in the years before 1963. You will no doubt wish to keep these facts in mind when planning your intake of young people both now and in the future. precise school-leaving position may vary from one district to another. Your local Youth Employment Officer will give you information about the situation in your area.

Living accommodation free of rent and rates is provided for one branch manager, but not for the manager of the main shop, who is also a director of the company. It is now wished to provide him with similar benefits. From the tax angle, how are the following people affected: 1. A manager earning less than £2,000 a year; 2. A manager earning more than £2,000 a year; and 3. A director/manager earning more than £2,000 p.a. if they are supplied with houses by the company? I mention £2,000 salary because I believe a ruling on benefits in kind comes into force at that figure.

CHAPTER II of part VI of the Income Tax Act, 1952, provides for assessment on benefits in kind where the remuneration received inclusive of the value of the benefit exceeds £2,000 per annum. There are some modifications of this in connection with employees who occupy premises owned by an employer. If the employee is not a director of the company, and is required by the terms of his employment, and in order to perform his duties properly, to reside in the accommodation, the value of the accommodation is not assessed on him where it was provided in accordance with the practice that commonly prevailed before July 30, 1928, or where it is necessary, for the proper conduct of the trade, that the employee should reside on the premises. Those considerations would apply to a manager earning less than £2,000 a year and also to a manager earning more than

£2,000 a year, but it would not in any circumstances apply to a director/manager earning more than £2,000 a year.

I am a trustee of a small trust arising from the death of a former eo-director. The Trustee Investment Act, 1961, authorises trustees to divide the trust fund into narrower-range and wider-range investments. Must the income arising from the two groups be similarly segregated?

THE Trustee Investment Act, 1961, dealt only with matters of capital, and the income arising from the investments forms a general pool of income available for the purposes of the trust as a whole.

I hold shares in a pharmaeeutical eompany and have arranged a private sale of a part of that investment. I drew up the share transfer and had it stamped, and the eonsideration money has been paid, but when the transfer was submitted to the eompany for registration the registrar objected that it had not been submitted to what he ealls "an authorised depository." I thought that one eould sell shares in a public eompany quite freely and I do not know what to do. Can you advise me, please?

It is necessary to submit a share transfer through an authorised depository only if one of the parties resides outside the scheduled territories within the meaning of the Exchange Control Act. Broadly speaking "the scheduled territories" means the sterling area. Some company registrars make a practice of asking for transfers to be submitted through an authorised depository in order to protect themselves from any possible consequences of giving effect to a transfer where one of the parties was, in fact, resident outside the schedeuled territories. There is, however, no legal basis for that requirement, and provided both transferor and transferce are resident in Britain you are perfectly entitled to insist upon the transfer being registered as provided by the company's articles of association.

### Onward from Galen

#### SIDELINES OF CURRENT COMMENT

DRUG JARS AT A MANCHESTER MUSEUM THOSE who attended the annual meeting of the British Medical Association in Manchester recently were able, if they so wished, to withdraw to a quieter atmosphere, leaving the present and near future to meander around the nearby Manchester Museum, where a selection of drug jars and pill tiles had been put on show. They were from the collection of Mr. John Wilkinson, a retired surgeon who had been responsible for the arrangement of the display. One notable piece was an apothecary's jar in Lambeth delft—a superb polychrome piece, dated e. 1650, bearing the arms of the Society of Apothecaries. Other pieces of delft ware were a heart-shaped pill jar of about the same date, samples of Liverpool Bristol delft, and at one corner of the exhibition were a number of Lambeth bleeding bowls and two barbers' bowls, reminders of techniques that would not gain acceptance today. A leech jar of Leeds pottery was given a prominent position and nearby was a polychrome piece of Dutch delft inscribed with the letter "C" and bearing on it a stag-like animal and the word "menthee." A note pointed out that apothecaries' jars had provided the most complete history of early European earthenware, which was soft, its brilliant enamel easily chipped. The note emphasised that apothecaries' jars were often dated and so enabled a chronological order to be ascertained. Besides majolica, which was highly coloured and hand-painted, a few early English pots in the collection were simple straight-sided albarello jars decorated with a few blue or brown lines. From the pharmacognosy collection of the museum were samples of Papaver somniferum as well as some unlabelled, readily recognisable senna pods, and the opportunity had been taken to include from the herbarium of the museum a specimen of Echium vulgare. Added interest was provided by a number of old prints. Pharmacists in the Manchester area will find the collection well worth a visit. It is not being immediately disbanded.

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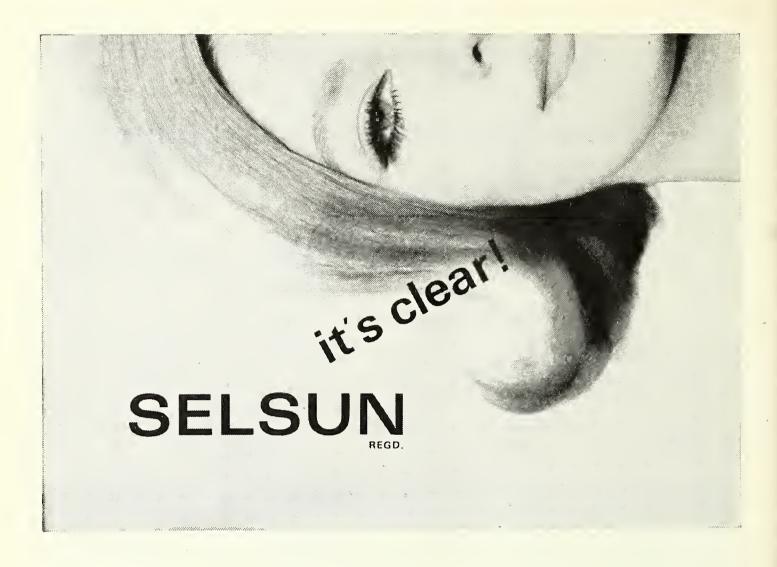
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## From APOTHEGARY to PHARMAGIST: A Study of changes of title

T. D. WHITTET, B.Sc., Ph.D., F.P.S., F.R.I.C.

#### TITLES USED IN ENGLAND AND WALES. 3. ARMY AND NAVY APOTHECARIES

N 1825 an Amending Act was passed (July, 1825, 6 Geo. IV, c. CXXII) which, among other items concerning the organisation of the apothecaries, decreed that surgeons in the Navy and surgeons and apothecaries in the Army and in the East India Company could practise as apothecaries without examination. That is especially noteworthy in view of the fact that the successors of the apothecaries, the pharmacists, have never received proper recognition from the Army, which has trained its own "Service dispensers" instead of having a proper pharmaceutical service with registered pharmacists in charge.

The history of pharmacy in the Services is complicated. As early as the thirteenth century the Royal Apothecaries often accompanied the king on his military campaigns (Trease, 1959). A brief account of pharmacy in the Army is given by Smith (1930). When Charles II reorganised the Army in 1660, medical officers were appointed usually on a regimental basis. Apothecaries, dispensers and clerks were engaged for the hospitals. They were Warrant Officers but ranked as Ensigns for quarters and allowances. The following year the rank of Apothecary-General was created. The first was Robert Miller, appointed in 1661 (Barnsley, 1960). That officer, together with the Physician-General and Surgeon-General, formed a Medical Board, which had responsibility for medical matters. Drugs and medical stores were looked after by apothecaries, who were regarded as qualified medical men.

The title apothecary was abolished in 1830, but was revived during the Crimean War, a warrant of 1854 authorising the appointment of apothecaries to the Forces. Smith (1930) states that they were not medical men but chemists, and were mainly concerned with the issue of drugs and medical stores. More dispensers of medicine, taken on during the Crimean war (1854-55), were employed even in regimental hospitals; they had been chemists in civil life. Some were gazetted to regiments as dispensers, ranking as Ensigns. Apothecaries and dispensers were clothed in scarlet but had different velvet facings, the former having grey and the latter black.

#### An Inquiry Into Army Compounding

In 1856 a War Office Committee inquired into the question of compounding in the Army. It was elicited that, from remote times, hospital sergeants had compounded in regimental hospitals. Those N.C.Os. possessed no official qualifications as compounders. After much discussion between those who favoured the chemist-dispenser and those who preferred the soldier, the Committee recommended that a duly qualified compounder should form part of the medical establishment of every regiment, and that candidates should be selected from the Regular Army, or should be soldiers' orphans of the military asylum, trained for the work and examined by a Board. That scheme was adopted and became the normal way of filling the posts of Army compounders. Specially engaged dispensers disappeared from the Army—some by discharge, others by becoming apothecaries to the Forces. The title dispenser was resumed, and the title of their place of work, originally dispensatory, then surgery, became dispensary.

The title apothecary appears to have finally disappeared during the great reorganisation of 1873. Smith (1935) reports that several apothecaries became officers in the reorganised Corps as Captains of Orderlies and Lieutenants of Orderlies.

Pharmacists served as Sergeant-Dispensers and in the fighting services in the 1914-18 war and a pharmacist officer, Lieutenant-Colonel E. F. Harrison, played an important part

in defence against gas attacks; for his scrvices he was awarded the C.M.G.

During the 1939-45 war pharmacists again served as Sergeant-Dispensers. Some became Quartermaster officers in the Royal Army Medical Corps but that was rather despite than because of their pharmaceutical qualifications. Until recently the only pharmacist attached to the Army was the civilian head of the Army School of Dispensing: Mr. A. Pirnie, M.B.E., B.Pharm., M.P.S. Civilian pharmacists have now been placed in charge of the dispensaries of some of the larger military hospitals.

#### Pharmacy in the Royal Navy

The Royal Apothecaries appear to have had some influence in forming the Naval Medical Service, for Keevil (1957), reporting on its early days, states:—"Perhaps it was the King's apothecary, William of Stanes, Citizen and Spicer, who most fired the King's imagination in this direction." William was evidently a versatile man, for Keevil goes on to record that "In 1346 and 1347 the preparation of gunpowder at the Tower was under his direction, and he provided the necessary saltpetre and sulphur for its intensive manufacture when supplies were being accumulated for the attack on Calais." Pharmacy in the Navy has been the subject of articles published in THE CHEMIST AND DRUGGIST (1953) and by Cowen (1956). Keevil (1957 and 1958) and Lloyd and Coulter (1961) also give much information. In 1644 Parliament charged the Society of Apothecaries and the Company of Barber-Surgeons with the duty of choosing surgeons for the Navy (Keevil, 1957). In 1703 the Society of Apothecaries gained the exclusive right of supplying drugs and medicines to the Navy and they held that privilege for many years (Barrett, 1905). THE CHEMIST AND DRUGGIST (1953) reported that the Society originally had its own shop in the Haslar Hospital.

Keevil (1958) stated that, at the Ely House Hospital in 1654, all patients received large quantities of medicines, dispensed by two apothecaries who were better paid than any surgeon in the fleet. Lloyd and Coulter (1961) state that it appears that by the eighteenth century the distinction between the apothecary and dispenser on the one hand and the surgeon and physician on the other was more clearly defined in the Navy than in the country generally, although a naval surgeon at sea acted as physician, surgeon and apothecary. At least as early as 1713 Henry Blakey was appointed Dispenser to Greenwich Hospital (Cowen, 1956). Draft instructions for Dispensers issued in 1742 show that their duties were predominantly pharmaceutical. Despite that THE CHEMIST AND DRUGGIST (1953) reported that the Dispenser of Haslar Hospital was originally a qualified

medical man.

In 1794 the title apothecary was changed to medical assistant, showing that their duties were predominantly medical. The first official Navy List of 1814 included twentyfive dispensators but no apothecaries (Lloyd & Coulter, 1961). In 1819 the establishment of officers at Greenwich listed an apothecary but no dispenser. From 1831 until 1870 the dispenser at Haslar was replaced by a surgeon in charge of stores. Only since 1872 has the position been held by a regular pharmacist, first under the old title of dispenser (until 1916) and thereafter as pharmacist (THE CHEMIST AND Druggist, 1953). Many pharmacists are now employed in the Naval Pharmaceutical Services. They hold civilian appointments in peace-time but are officers in time of war. Many Service apothecaries were allowed to enter civilian practice without further examination.

#### VIGOROUS GROWTH IN BRIEF TIME

Many-pronged success of Calmic, Ltd., Crewe

EXPANSION plans recently put in hand by the board of Calmic, Ltd., Crewe Hall, Crewe, Ches, provide for extensive new research and development laboratories. The projected units are considerable, comprising two quality-control laboratories, one biochemical division, a microbiological section, a pharmaceutical formulation and development laboratory, a phar-maceutical research department, and a research laboratory dealing with analytical problems of storage tests concerning new products. It is apparent that the company intends greatly to extend its current medical research work, which up to the present has been devoted to new presentations of nonsystemic applications of antibiotics. New manufacturing units are also planned that will add a further 30,000 sq. ft. to existing production area. The sq. ft. to existing production area. The expansion plans are in line with the company's policy, "consolidating and diversifying," drawing all the time upon sound financial management and a loyal staff. The enterprise started up in Liverpool in 1932 by engaging in marketing and maintaining automatic deodorising equipment for sanitary accommodation in factories, hotels and offices. Successful use of the Calmic hygiene service brought from customers inquiries for first-aid equipment and supplies for factory medical departments. As a result, an industrial medical division was founded in 1941.



Crewe Hall, the administrative headquarters of the company.

After the 1939-45 war the company obtained a long-term lease of Crewe Hall, a magnificent Jacobean mansion under Crown ownership (it was acquired by King George VI in 1936 by right of his Duchy of Lancaster). The Hall, built in 1615-16, was all but destroyed by fire in 1866, but the Lord Crewe of the time restored its Jacobean architecture, bringing in Italian craftsmen for the purpose. During the 1939-45 war the building was used-misused might be a more accurate description—as a prisoner-of-war camp. Many parts of the Hall have since been restored by the company, which proposes to carry on the work as opportunity arises. A feature of the Hall—and one that must be unique in the pharmaceutical industry—is the still-used chapel, which has received especial care during renovation; its

stained glass has a wealth of colour.

Though historical features in the 190 rooms of the Hall have been given protection, the building has been adapted to the needs of a modern business. Since the 1939-45 war the industrial medical division of the company has expanded, and an ethical pharmaceutical division has been developed, resulting in the introduction of a range of products of which many have become internationally known. As part of the diversification, and to ensure the maintenance of standards and output for the hygienic service units, a small engineering company was acquired. That unit has extended its activities. and now manufactures a variety of equipment, including pressure filters ranging from 1 to 150 sq. ft. in sur-





Above: One of the packaging lines in the industrial medical division which is housed in one of the gle-story build-

A view of the storage and dispatch area of the factory.

At left: The marble hall with its elaborately carved fireplace shows the careful restoration undertaken by the company.

face area and up to a maximum of 100 lb. per sq. in. pressure. The unit undertakes to design and manufacture any type of batch dryer, including fluid bed dryers, in accordance with customers' requirements, and often the necessary technical investigations are carried out in a special research development laboratory that forms part of the set-up of Calmic Engineering Co., Ltd. A recent achievement has been the design of a steriliser for use where a programmed sterilising cycle is required in hospitals or industry.

Most recent branch of the company's activities is an up-to-date printing works which meets its own varied needs and is able to cater also for many outside customers.

Although the export side of the Calmic organisation is relatively new, there are already branches in Dublin, Toronto, Sydney, Zurich, Frankfurt and Milan. Of all the goods manufactured at Crewe Hall 30 per cent. are exported (of medical products  $33\frac{1}{3}$  per cent.).

The recent decision of the board to associate with the Wellcome Foundation, Ltd. (see C. & D., March 14, p. 258) has perhaps had too little time of operation to bring about changes in either organisation, but it is to be expected that Calmic, Ltd., will draw upon the more extensive research experience of the larger institution, thus underwriting its own continued development and progress.

#### THE DRUG WORLD IN AMERICA

Bulletin on events and trends in pharmacy, the industry and the Administration.

DR. RUDOLF SEIDEN

PHYSICIANS have a duty to their patients fully to inform themselves about the medicines they prescribe, Dr. Joseph F. Sadusk, jun. (medical director, Food and Drug Administration) (F.D.A.) told the American Medical Association during the 1964 Convention held in June in San Francisco. The package circular was an important source of medical information, giving concisely an informative set of recommendations to the physician on the use of a drug. "It is to your interest and to your patient's interest that you obtain these circulars and read them carefully, since the manufacturer and the Food and Drugs Administration put much time and effort into their preparation.

The Pharmaceutical Manufacturers' Association (PMA) has decided to file a suit in a Federal District Court to invalidate portions of the F.D.A. regulations requiring extensive reports and proof of effectiveness regarding older drugs.

#### Drug Exports and Imports Decline

United States exports and imports of drugs both declined in 1963, according to figures recently released by the U.S. Department of Commerce. Exports during 1963 were at \$269 millions, 2 per cent. less than in 1962 and the lowest figure since 1957. Imports were at \$48 millions (11 per cent. less). Five countries accounted for 63 per cent. of United States drug imports. From Mexico, United Kingdom, West Germany, Switzerland and Japan imports exceded \$5 millions each. Principle U.S. drug exports were antibiotics and antibioticcontaining products (\$53 millions): vitamins and vitamin preparations (\$36 millions); bulk medicinal preparations in dosage form (\$22 millions).

#### A Hint of Test Actions

The F.D.A. has warned of legal action unless the industry discontinues to use such terms as "polyunsaturated," "low in cholesterol" or "made from 100 per cent. golden corn oil" in connection with labelling of products of the vegetable oil industry. The public, they say, has come to accept a distinct link between polyunsaturated fats and

heart health. For that reason such contentions become, in effect, drug claims that have to be proved before they may be used. No such legal proof has been forthcoming so far.

Retail sales of vitamin concentrates in 1963 through all outlets fell by 16.5 per cent. to \$284,950,000 in 1963 from the record year of 1959, according to a report by R. A. Leibson (D.T.N. 5-25). Falling prices accounted for an appreciable part of the difference.

In pharmacies, the \$202,160,000 spent for vitamins in 1963 was 2.2 per cent. less than in 1962.

#### Antibiotic Lozenges Worthless?

The F.D.A. proposes discontinuing to certify nineteen types of lozenges containing antibiotics on grounds of insufficient evidence of efficacy. The lozenges in question include bacitracin-gramicidin-neomycin: bacitracin-neomycinpolymyxin; bacitracin-neomycin; bacitracin-polymyxin; bacitracin; bacitracintyrothricin-neomycin; bacitracin-tyrothrium; chlortetracycline; bacitracintyrothricin; penicillin-bacitricin; penicillin: penicillin-zinc bacitracin; tetracyhydrochloride; zinc-bacitracingramicidin-neomycin: zinc-bacitracinneomycin-polymyxin: zinc-bacitracinpolymyxin: zinc-bacitracin; zinc bacitracin-tyrothricin-neomycin; and zinc bacitracin-tyrothricin.

#### Steroids Patent

Schering Corporation have been awarded a U.S. patent on prednisone and prednisolone, nearly ten years after the drugs were first announced by the company. U.S. prednisone and prednisolone sales reach nearly \$20 millions yearly. Three companies (Merck & Co.. Chas. Pfizer & Co. and Upjohn Co.) have been producing the compounds under a cross-licensing arrangement with Messrs. Schering, and their marmeting of the steroids continues. Many other U.S. firms are now being licensed by Messrs. Schering for the use of the two products in bulk and in various dosage forms.

#### New Drugs

The following drugs are under test: ALKERAN, or melphalan, a drug for oral administration in multiple myeloma (Burroughs Wellcome).

CYCLORPHAN, a derivative of the Ncyclopropylmethyl - morphinan morphine series having morphine antagonistic and analgesic properties; it is non-addicting (Roche and Winthrop).

Oxybutynin chloride, used in patients with gastrointestinal disease to alleviate symptomology due to its anticholinergic action and smooth muscle spasmolytic activity (Mead-Johnson).
Pergonal, a gonadotropic hormonal

substance extracted from post-meno-pausal urine which is effective in promoting fertility among women with receptive ovarian tissues (Cutter).

PROTOPAM chloride, or pralidoxime chloride, an antidote against poisoning due to pesticide having anticholonesterase activity. (Campbell.)

TYBAMATE, or 2-methyl-2-propyltrimethylene butycarbamate carbamate. is a tranquilliser having selective depressant action and relaxant action upon skeletal muscle similar to meprobamate, yet differs in that it blocks blood pressure rises (Wallace).

The following drugs are now on the

market:

UNIPEN, or sodium nafcillin, is sodium 6-(2-ethoxy-1-naphthamido) penicillanate. Recommended for coccal infections before definite diagnosis can be established. It is administered in capsule form orally or, as solution, intramuscularly. (Wyeth.)

VATENSOL, or guanochon sulphate, possesses anti-anderergic and adrenergic neurone-blocking action proper-

ties (Pfizer).

#### Industry Notes

CONAL PHARMACEUTICALS, INC., is the new name of Chicago Pharmacal Co., a 109-year old firm. OLIN MATHIESON and East Pakistan International Development Corp. (EPIDC) are to establish a Squibb pharmaceuticals' plant in Dacca, East Pakistan, SMITH, KLINE & FRENCH, S.A., is constructing a 33,000 sq. ft. manufacturing building and a 20.000 sq. ft. office building in Mexico City, the subsidiary employs 160 per-

#### Surveys

A 340-patient study undertaken by the National Institute of Mental Health indicates that the phenothiazines, most widely used as tranquillizers, improve a passive, withdrawn, apathetic patient even more than the agitated, abusive one. The drug's action, therefore, is broader and more versatile than is presently outlined in standard medical texts, states the Institute.

A survey questionnaire to 3,000 male readers of a national magazine showed that slightly more than 84 per cent. said they bought their medicines in "drug stores"; 29·2 per cent. made such purchases in supermarkets, and 13.1 per cent. patronised discount houses. The total exceeds 100 per cent. because some men said they bought the products at more than one place, according to circumstances.

Some twenty-three U.S. colleges are trying to obtain federal grants for expansion under a new aidto-medical-education programme.

#### TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 29: CRUDE DRUGS remained in little demand during the week with prices showing almost no appreciable change from recent weeks.

COLOCYNTH PULP appeared to be unobtainable either on the spot or for forward delivery, Alexandria handpicked SENNA PODS were available only in limited quantities and market sources forecast that before the end of the year the price of good quality pods could reach 10s. per 1b. MENTHOL was reduced by sixpence per lb. on lack of inquiry; the Brazilian variety being offered on the spot on more favourable terms than for shipment. CUMIN SEEDS were firmer on reports that the Iranian crop was short. Indian DILL was also dearer for shipment but Moroccan Fenugreek was easier.

In ESSENTIAL OILS a further advance was registered by PATCHOULI (up one shilling per lb.) while CANANGA was dearer by about 3s. Spanish oils mostly showed a risc; they included LAVANDIN, LAVENDER SPIKE, ROSEMARY and SAGE. BERGAMOT was reported short at origin as spot offers rose about 3s. per 1b. Lower were Brazilian PEPPERMINT and Ceylon CITRONELLA.

MERCURY rose another 5s. per flask and has now reached 100s, so that another increase in MERCURIALS can be expected. ZINC OXIDE eased by £3 per ton making the B.P. grade £153 per ton in 2-ton lots.

#### Pharmaceutical Chemicals

ARECOLINE.—ALKALOID, 51s. per oz, CAFFEINE. - HYDRATE in 50-kilo lots and over 28s. 1d. per kilo; CITRATE, 20s. 11d. CITRATES.—Per kilo:—

	50	kilos	250	kilos	1,000 kilos
	 s.	d.	5.	d.	s. d.
SODIUM†	 5	4	4	10	4 8
POTASSIUM†	 5	7	5	1	4 11
IRON AND			1		
AMMONIUM*	 8	10	1 8	6	1 8 3

\*Powder 6d, more, \*Scales 1s, 10d, per kilo

CREOSOTE,—B.P.C., 1959, ex beechwood, 100 kilos, 15s. per kilo; 500 kilos, 14s. 6d. DICOPHANE.

(DDT). — One-ton lots, 2s.  $4\frac{1}{2}$ d. per lb.

DIGOXIN,—100-gm, lots, 50s, per gm.

ETHER. — Per lb. in winchesters: B.P. TECHNICAL, B.S.S., 5-cwt., 2s. 9d.; (4s. 4d. per litre). In drums the price is 2s. 1d. per lb. Anæsthetic, B.P., 6-cwt. 3s. 11½d.; 10-cwt., 3s.  $7\frac{1}{2}$ d.

FORMALDEHYDE.—B.P. solutions, 5-drum lots, 690s. per ton, delivered.

GLUCOSE. — Medicinal, B.P., POWDER, 71s. 6d, per cwt., delivered in 1-ton lots. LIQUID, basic price, 50s. 6d. per cwt.

GLYCEROPHOSPHATES. — Per kilo in 50-kilo lots: CALCIUM, B.P.C., 28s. 2d.; IRON, B.P.C., 33s. 7d.; MAGNESIUM, B.P.C., 35s. 5d.; MANGANESE, N.F.X., 49s. 7d.; POTASSIUM, 50 per cent., B.P.C., 8s. 6d.; SODIUM, 50 per cent., B.P.C., 5s. 11d. and powder, B.P.C. 1949, 18s. 8d.; GLYCEROPHOSPHORIC ACID, 20 per cent., 10s. 8d.

KAOLIN, - Light, 60s. per cwt.; 1-ton, 57s, per cwt.

Lactates. — Calcium, B.P., 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; Calcium sodium, 4s. 9d. and 4s. 10d.

Lactose. — B.P. in 1-ton lots packed in 1-cwt. paper-lined sacks, £129 10s, per ton, delivered in the United Kingdom.

LEAD ACETATE.—B.P. crystals, 4s, 5d. per

PHENOLPHTHALEIN.—One-cwt, 9s. per lb. Santonin.—5-cwt. lots, 320s. per kilo.

ZINC OXIDE.—Two-ton lots, B.P. grade, are now £153 per ton; 1 ton, £154.

#### Crude Drugs

Aconite, — Spot, Spanish napellus, 2s. 8d. per lb.; shipment, 2s. 6d., c.i.f.

AGAR. — Kobé No. 1, 12s. 6d. per lb. in bond; August-September shipment, 12s. 3d., c.i.f. Spanish, 15s., duty paid, popularly nominal.

ANISE. — Chinese STAR, 150s. per cwt. spot, duty paid; f.a.q. for shipment, 115s.,

ARROWROOT. - St. Vincent from 1s. 3d. to 1s. 6d., as to grade.

Balsams. — Per lb.: Canada: Spot 19s. to 23s. 6d. Copaiba: B.P.C. grade. 10s. Peru: Spot, 9s. 3d. Tolu: B.P., from 11s. to 30s.

BELLADONNA. -HERB. 3s, 9d. per 1b. Rooт, 1s. 8d. per lb.

BENZOIN. — Sumatra block spot from £20 to £35 per cwt. as to quality, B.P.C. quality is scarce.

Buchu. — Spot value, 4s. 9d. per lb.; shipment, 4s., c.i.f.

Calamus. — Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CAMPHOR.—B.P. powder spot, 5s. 8d. in bond; shipment, 5s. 4d. per lb., c.i.f.

CARDAMOMS. — Aleppy greens, 9s. 6d. per lb. spot; shipment, 10s.  $4\frac{1}{2}$ d., c.i.f. Seeds, spot, 12s. 6d.; shipment, 12s., c.i.f. CASCARA. — Spot, 235s. per cwt.; new crop for August-Scptember shipment, 220s.,

CHILLIES. — Zanzibar, 240s. per cwt. spot; shipment, new crop, 215s., c.i.f. Mombasa spot, 170s.; shipment, 140s.,

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s. 4d.; single O, 7s. 6d.; quillings, 5s. 2d. Bark, Seychelles, 90s. cwt, spor

Lanolin, — Anhydrous B.P. is from 1s.  $8\frac{1}{2}$ d, to 1s.  $10\frac{1}{2}$ d, per lb. in 1-ton lots delivered free drums,

MENTHOL.—Chinese: spot, 26s. 6d. per lb., duty paid; July shipment, 25s., c.i.f.; Brazilian, 21s. 3d., in bond and shipment,

PEPPER.—White Sarawak spot is 2s. 9d. to 2s. 10\frac{1}{3}d. per lb.; shipment, 2s. 8\frac{2}{3}d., c.i.f. Black Sarawak spot, 2s. 5d., shipment, 2s. 3d., c.i.f. Black Malabar is 340s., per cwt., spot nominal; shipment, 325s.,

SEEDS. — (Per cwt.). ANISE.—Spanish, 270s., duty paid. Caraway. — Dutch, 142s. 6d., duty paid. Celery. — Indian, 165s., spot; August shipment, 162s. 6d., c.i.f. Coriander.—Moroccan, 56s., duty paid; shipment steady at 44s., c.i.f. Cumin. — Market firm on reports the Iranian coordinates. paid; shipment steady at 44s., c.i.f. Cumin. — Market firm on reports that Iranian crop is short. Spot Moroccan, 230s. and Iranian, 240s., both duty paid; shipment, Moroccan, 195s., c.i.f.: Iranian, 210s., c.i.f. Dill. — Indian offering at 90s., spot; shipment dearer at 80s., c.i.f. Fennel. — Indian nominally 150s., spot; shipment, Chinese, 110s., c.i.f. and Indian 145s., c.i.f. Fenugreek. — Moroccan. 145s., c.i.f. FENUGREEK, — Moroccan, 49s., duty paid; shipment easier at 33s. 6d., c.i.f. Mustard.—English, 45s. to 65s., according to quality.

SENNA. — (Per lb.). Tinnevelly LEAVES spot: Prime No. 1, 2s. 3d.; prime No. 2, 1s. 9d.; No. 3, f.a.q. spot, 1s. 3½d. Shipment; No. 3, Is. 1d., c.i.f. Pods: Tinnevelly, hand-picked, 2s. 6d. to 2s. 9d.; manufacturing, 1s. 9d. spot; shipment, 1s. 6d., c.i.f. Alexandria Pods: hand-picked in limited supplies at 7s. and 4s. 6d.; manufacturing, 3s. nominal.

STYRAX. — Spot. 17s. per lb.; July-August shipment, 15s. 6d., c.i.f.

TURMERIC. - Madras finger offered at 150s. per cwt., spot; shipment, 140s., c.i.f.

WAXES, — (Per cwt.): BEES'.—Dar-es-Salaam, spot, 455s.; shipment, 440s., c.i.f. Sudanese, spot, 395s., in bond; shipment, 395s., c.i.f., nominal. CANDELILLA, spot, 465.; forward, 460s. landed. CARNAUBA. fatty grey spot, 340s.; shipment, 330s., c.i.f., prime yellow, spot, 750s.; shipment. 700s. c.i.f.

#### Essential and Expressed Oils

ANISE. — Chinese, 11s. per lb., spot; shipment, 10s., c.i.f.

BAY.—West Indian about 25s, per lb. on the spot.

BERGAMOT.—Spot quotations are about 90s. per lb.

CAMPHOR, WHITE. — Chinese, 2s. 6d. duty paid, per lb.; shipment, 4s. 4½d.. c.i.f., per kilo.

Cananga.—Spot offers are from 30s. per

CARAWAY.—Imported oil is about 40s. per lb.; English, 60s.

Cassia.—Spot about 35s. per lb. for 80-85 per cent.

CITRONELLA. — Ceylon spot, 10s, 6d., shipment, 9s, 5d. per lb., c.i.f. Formosan, 4s, 9d., in bond; shipment, 4s,  $7\frac{1}{2}$ d, c.i.f.; Chinese, 4s, 9d., in bond, 4s,  $6\frac{1}{2}$ d., c.i.f.

CLOVE.—Madagascar leaf spot 7s. 4\foatscare leaf spot 7s. 4\foatscare leaf spot 7s. 1\foatscare d. foatscare leaf spot 6s. 1\foatscare d. foatscare leaf spot 6s. 1\foatscare d. foatscare leaf spot 6s. 1\foatscare d. foatscare leaf spot 7s. 1\foatscare d. foatscare leaf spot 6s. 1\foatscare d. foatscare leaf spot 7s. 1\foatscare d. foatscare leaf spot 7s. 1\foatscare d. foatscare leaf spot 6s. 1\foatscare d. foatscare leaf spot 7s. 1\foatscare

CORIANDER.—From 38s. to 45s. per lb., spot, as to origin.

CUBEB.—Spot supplies of imported are 86s. per lb.

CUMIN.—English distilled oil, 130s. per lb., imported, 90s.

Geranium. — Bourbon, 87s. 6d. to 92s. 6d. per lb. on the spot. JUNIPER. — B.P.C. is nominally 30s. per

lb. Juniper wood, from 5s. LAVANDIN.—From 22s. 6d. to 27s. per

lb. as to quality. LAVENDER.—Spot, from 40s. per lb. as

to quality. LAVENDER SPIKE.—Spanish, 25s. per lb. Lemongrass. — Spot, 8s.  $7\frac{1}{2}$ d. per lb.; shipment, 8s.  $4\frac{1}{2}$ d., c.i.f.

LIME. — West Indian distilled, 58s. per lb, on the spot.

NUTMEG.—East Indian B.P. oil is about 40s. per lb. English distilled, 65s.

PATCHOULI. — Penang is 25s. duty paid and 23s., c.i.f., per lb.

PEPPERMINT. — Arvensis: Chinese spot. 8s., shipment, 7s. 10½d., c.i.f. Brazilian spot and shipment, 7s. 10½d., c.i.f. Piperita: Italian, 48s. to 60s., spot; American from 31s, per lb. as to make.

PETITGRAIN. — Paraguay, 15s, 3d. per lb. spot; shipment, 14s. 9d., c.i.f.
ROSEMARY.—Spanish, 14s. 6d. per lb., duty paid. Forward, 15s. 6d. landed,

Sandalwood. — Mysore, 106s. 6d. per lb., spot. East Indian for shipment, 102s., c.i.f.

#### UNITED STATES REPORT

NEW YORK, JULY 28: Some minor price changes were reported but few of wide significance. BISMUTH NITRATE was boosted five cents, effective August 1, to \$2.02 per lb., following the recent 10-cents-a-lb. advance for the metal. A 1½ cent reduction brought PHTHALIC ANHYDRIDE down to 10 cents a lb. for the molten and  $10\frac{1}{2}$  cents for the flake. Synthetic powdered Camphor rose three cents to 60 cents a lb. RIBOFLA-VIN, U.S.P.-grade, was pushed up \$2 to \$32 a kilo, with Pyridoxine now \$3 higher at \$70 a kilo. Higher per lb. among Essential Oils were Camphor OIL at 43 cents (up three cents); CARAWAY, \$4.75 (up 35 cents); and extra grade ROSEMARY, \$2.10 (up ten cents). Lower was East Indian NUTMEG at \$6.50, down 50 cents.

#### WILLS

MR. R. M. EDWARDS, M.P.S., 99 Biscot Road. Luton, Beds, left £3,633 (£3,554 net). MR. G. A. FRITH, M.P.S., 58 Cole Park Road.

Twickenham, Middlesex, left £17,469 (£17,314

DR. J. E. GAZE, M.R.C.S., L.R.C.P., M.P.S. 33 Elm Park, Stanmore, Middlesex, left £42,250 (£42,042 net).

MR. W. H. GERRIE, M.P.S., 36 King's Road, Ealing, London, W.5, left £1,299 (£1,205 net). MR. H. G. GLASS, 33 Buckstone Terrace, Edin-

burgh, left personal estate in England and Scotland valued at £7,787.

MR. G. GREGORY, M.P.S., The Pyrenees hotel, Bognor Regis, Sussex, left £8,762 (£8,661 net).

MR. E. HUGHES, M.P.S., 407 Stanley Road,
Bootle, Lancs, left £10,699 (£7,440 net).

MR. M. J. ISAACS, M.P.S., 6 Linden Lea, London, N.2, left £8,480 (£1,797 net).

MR. E. JOHNSON, M.P.S., 575 Warrington Road, Rainhill, Lancs, left £4,870 (£3,312 net).

MR. H. JONES, 14 Calbourne Road, Balham, London, S.W.12, who qualified as a chemist and druggist in 1921, left £5,842 (£5,658 net).

E. KINGSTON, M.P.S., 37 Livingstone Road, Oldfield Park, Bath, Somerset, left £9,414 (£8,439 net).

#### PRINT AND PUBLICITY

#### PRESS ADVERTISING

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION, LTD.), Wellcome Building, Euston Road, London, N.W.1: Saxin, In newspapers and magazines.

CUXSON, GERRARD & CO., LTD., Oldbury, Birmingham: Carnation eorn caps, In Woman and Sunday newspapers.

G. GODOARD & Co., Lto., 100 Moncrieff Street, Peckham, London, S.E.15: Goddard's embrocation. In London and Midlands Press.

GOLOEN, LTD., Berkeley Square House, Berkeley Square, London, W.1: Color Match. In Modern Woman, Woman, Woman's Own. Everywoman, Woman's Journal, Daily Telegraph, Daily Mail and Sunday Express,

THOS. GUEST & Co., LTD., 92 Carruthers Street. Ancoats, Manchester, 4: Sure Shield laxatives, In Woman, Woman's Own, Woman and Home, Everywoman, My Home and Modern

J. Heinz Co., Ltd., Harlesden, London, N.W.10: Heinz baby foods sleeping suit offer.

MONOGRAM ELECTRIC, LTD., Lincoln House, 296 High Holborn, London, W.C.1: Monogram electric blankets. In Woman, Woman's Own. Good Housekeeping, Reader's Digest, Woman's Journal, Homes and Gardens and Sunday Times Magazine.

PRACTICAL PHARMACEUTICALS, LTD., Newcastle-

on-Tyne, 2: Bidex dry spray, In Woman, Woman's Weekly, Woman's Own, Daily Telegraph, The Guardian, Observer, The Scotsman, Sunday Telegraph and Sunday Times.

ROBINSON & SONS, LTD., Wheat Bridge Mills, Chesterfield: Paddi pads, In mass-circulation women's magazines and specialist publications.

ROBERT SHAW & Co., LTD., Ascot Works, Ascot Road, Nottingham: Lion hair care products. In leading women's magazines.

Southails (Sales), Lto., Bessemer Road, Welwyn Garden City, Herts: Nivea sun preparations, In Woman's Mirror, Queen, Vanity Fair, She and Honey.

#### PUBLICATIONS

#### Catalogues

BRADLEY & BLISS, LTO., King's Road, Reading: Catalogue of the extended range of Hokon shop-fitting equipment.

#### **Booklets and Leaflets**

Du Pont de Nemours International, S.A., 81 Route de l'Aire, Geneva, Switzerland: "Du Pont Tetrahydrofuran as a Chemical Intermediate" (63-p. booklet). (Also available from Brown & Forth, Ltd., Clifton House, Euston Road, London, N.W.1.).

OMNI (G.B.), LTD., Victoria House, Southampton Row, London, W.C.1: "Durez Resins for the Rubber Industry" (16-p. booklet)

#### DISPLAY MATERIAL

MYRAM PICKER, LTD., Surbiton, Surrey: Counter and free-standing display units for Outdoor Girl cosmeties.

PHILLIPS, SCOTT & TURNER CO., St. Mark's Hill, Surbiton, Surrey: Showcard (16 x 12 in.) for 12 Bore range of men's toiletries.



SHAMPOO AND HAIRSPRAY "DISPENSER": The new "dispenser" for Sunsilk shampoos and hairspray illustrated is available to stockists all over the country.

#### **COMING EVENTS**

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

#### Advance Information

BOURNEMOUTH. PORTSMOUTH and SOUTHAMP-TON BRANCHES, PHARMACEUTICAL SOCIETY, Polygon hotel, Southampton, Mid-Southern regional conference. November 18.

MANUFACTURING CHEMIST AND AEROSOL EXHIBI-TION, Empire Hall, Olympia, London, W.12.
December 1-4. Presented by Commercial Exhibitions, Ltd., 229 Shepherd's Bush Road,
Hammersmith, London, W.6.
DISPOSEX, exhibition of all types of disposable

goods, Royal Horticultural Society's new hall, Westminster, London, S.W.1. February 22-26, 1965. Organisers: Contemporary Exhibitions, 1965. Organisers: Contemporary Ex Ltd., 288 Regent Street, London, W.1.

#### COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week.

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#### TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," July 8

For prismatic binoculars and parts and fittings (9) PRISMALUX, 859,441, by Coronet, Ltd., Birmingham, 19.

For binoculars, monoculars and telescopes (9) REGENTLUX, REGENTMASTER, 862,537-38, by Highgate Optical Manufacturing Co., Ltd., London, E.C.1.

For diapers being napkins of textile materials; and articles of clothing for use with diapers, for preventing moisture reaching the skin; all for babies (25)

Device with words TEDDY, SPANJAARD N.V., 833,699, by Spanjaard, N.V., Borne, Netherlands.

For all goods (30)

UNILABS, 857,990, by Universal Labora-tories, Ltd., Sandwich, Kent, ANDOMIA SLIMFOOD, 860,478, by Andomia Products, Ltd., Bradford, Yorks,

electric razors and parts and fittings (8) FRESHMAN, 862,160, by Geffrey Edgar Mattison, Hayesford Park, Bromley, Kent.

#### From the "Trade Marks Journal," July 15

For chemical products used in industry, science and photography; chemical products used in agriculture, horticulture and forestry; mamnes (natural and artificial); etc. (1)
FABRIGLIDE, 854,624, by Dow Corning Cor-

poration, Midland, Michigan, U.S.A.

For artificial sweetening preparations (1)

BEANO, 862,049, by HAX Ltd., London,

For cleaning preparations for removing grease and dirt from the skin (3)

NUCLEAR, B840,786, by James Arnott & Sons, Ltd., Newcastle-on-Tyne. 1.

For shampoos (3)
BRISTOW'S MINIBOTTLE, 854,212. County Laboratories, Ltd., Brentford, Middle-

For soaps, detergents (not for use in industrial or manufacturing processes), perfumes and nonmedicated toilet preparations, all containing gly-

GLYCINELLO, 855,335, by Ello A/S, Kristiansund N. Norway.

For perfumes (3)

JACARANDA, 855,898, by Boots Pure Drug Co., Ltd., Nottingham.

For toilet soaps (3)

COLGATE SAFEGUARD. 856,238, by Colgate-Palmolive Co., New York, 22, U.S.A. gate-Palmolive Co., New York, 22, U.S.A. SCEPTRE, 859.151, by Deb Chemical Proprietarics, Ltd., Belper, Derbys.

For preparations for cleaning lavatory bowls (3) QUITA-SAN, 861,648, by Robert G. Bates & Sons, Ltd., Wendlebury, Bicester, Oxon,

For pharmaceutical substances and preparations

Device with word ICAR, 840,639, by Icar Laboratories, Ltd., London, E.C.3. Device with letters XS, B855,792. FRENDOL, 861,481, by Sterwin A.G., Zug, Switzerland, MAL-QUIN, 859,298, by Wallis Laboratory, Ltd., Watford, Herts. NAPIDURE 861,592, by E. & L. Distributors Co., Ltd., Belfast, Northern Ireland. ANIXTOL, 861,598, by H. Lundbeck & Co. A/S. Copenhagen, Denmark.

For pharmaceutical preparations (5) PERLIDON, 862,504, by Willows Francis, Ltd.,

Epsom, Surrey.

For preparations for killing ants (5) PANANT, 863,174, by Pan Britannica Industries, Ltd., Waltham Cross, Herts.

photographic apparatus, instruments and utensils and parts (9)

HANOMAT, 862,376, by Hanimex (U.K.), Ltd., London, S.E.1.

photographic, cinematographic and optical apparatus and instruments and parts (9)
HALINA PAUJ ETTE, 862,892, by W. Haking

(Mechanics & Optics), Ltd., Industries

Kong. SHINKOR, B858.473. by Headquarter and General Supplies, Ltd., London, S.E.5, For syringes for medical and surgical use (10) PLASTIPAK, B855,807, by Becton Dickinson & Co., Rutherford, New Jersey, U.S.A.

For medicated sweetmeats (5)
RICOLA. 850,199, by Richterich & Cie. Lanfen, Berne, Switzerland.

#### **PATENTS**

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," July 8

Fungicidal paints, Imperial Chemical Industries, Ltd. 967,168.

Method for preparing pyrrolidinoues and piperidinones. Rohm & Hass Co. 967,177.

Colour reproduction of a colour photographic multilayer material. Gevaert Photo-Producten, N.V. 967.179.

Photographic light-sensitive materials, Ilford, Ltd. 967 208

Production of sulphanic acid, Allied Chemical

Corporation, 967,232.

Apparatus and method for culturing microorgauisms, J. H. Brewer, 967,234.

Preparation of  $\alpha.\beta$ -unsaturated carboxylic acids.

Farbenfabriken Bayer, A.G. 967,241.

Organosilicon compositions. Dow Corning Corporation. 967,289.

Surgical instrument. Ethicon, Inc. 967,300.

Process for the manufacture of 2-chlorobutadiene-1.3. Knapsack-Griesheim, A.G. 967,310.

Compositions for the sterilisation of soil. Stauffer Chemical Co. 967,319.

Deodorant compositions, Fritzsche Bros., Inc. 967.335.

Production of unsaturated aliphatic acids, Distillers Co., Ltd. 967,352.

Process for the manufacture of alkehydes and/or ketones from olefines, Farbwerke Hoechst, A.G. 967,361.

of gentisic acid. Rhone-Poulenc, S.A. 967,425.

Surgical masks, Southalls (Birmingham), Ltd.

Heterocyclic thiocyanates and their use as plant fungicides. Deutsche Gold-und Silber-Scheideansta't. 967,469.

Pharmaceutical compositions comprising a salt of (N-methylene-sulphoxylate)-4-amino-2-hydroxy benzoic acid. A. German, T. B. Loc and Y. Painvin, 967,475.

Photographic cameras, Eastman Kodak Co. 967.486.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from August 19.

#### From the "Official Journal (Patents)," July 15

4-(5-Nitro-2-furyl) thiazoles, Imperial Chemical Industries, Ltd. 967,492,

Photographic colour formers, E. I. Du Pont de Nemours & Co. 967.503-4.

Thiophosphouic acid esters, Farbenfabriken Bayer, A.G. 967,505.

Fungicida! compositions and processes for their preparation. Roussel-Uclaf, 967,514.

Cupric fungicidal compound, processes preparation and fungicidal compositions incorporating same. Roussel-Uclaf, 967,515.

Animal feeds. F. Hoffmann-La-Roche & Co.,

A.G. 967,535.

Process for the production of 1,4-cyclohexanedimethylene bis-chlorocarbonate. Werke Hüls, A.G. 967,540. methylene Chemische

Penicillin derivatives, Farmaceutici Italia, 967,542, Therapeutic dental composition, I, Tamas. 967,547.

Removal of an aldose from food products. Fermco Laboratories, Inc. 967,574.

Process for the manufacture of dio-alkylpolya!kyleneglycols, Farbwerke Hoechst, A.G. 967,585, Method and apparatus for automatic analysing.

C. C. Hach, 967,586.

Neomycin-containing compositions, Colgate-Palmolive Co. 967,591.

(2',6' - dimethyl - 3' - hydroxy - 4' - tert butyl-benzyl)-2-imidazoline, and acid addition salts thereof, and process for their manufacture, E. Merck, A.G. 967,594.

Benzothiazolone compounds, Rhone-Poulenc, S.A. 967.595

Gibberellic acid intermediates Imperial Chemical Industries, Ltd. 967,596.

Hydroxylamine derivatives, E, I, Du Pont de Nemours & Co, 967,601.
Steroids. General Mills, Inc. 967,606.

Benzothiazepines. Olin Mathieson Chemical Corporation, 967,608,

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane. London, W.C.2, from August 26.

#### NEW COMPANIES

P.C.=Private Company, R.O.=Registered Office

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Abraham, Jeremiah E. Abraham, Roy E. Abraham and Edward L. Steinberg.

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#### CONTEMPORARY **THEMES**

Subjects of contributions in current medical and technical periodicals

HAND ECZEMA. Brit. med. J., July 18.

AT10 and pure dihydrotachysterol in controlling hypoparathyroidism. A comparison between. Lancet, July 25.

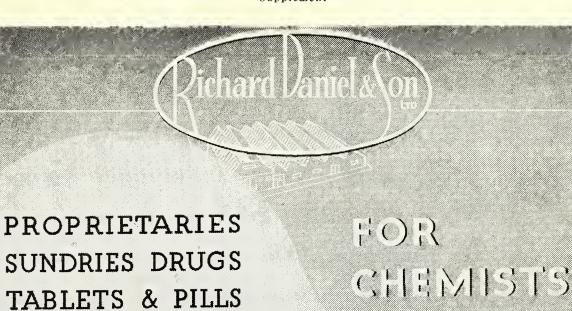
HYDROXOCOBALAMIN for pernicious anæmia. Lancet, July 25.

Immunological significance THYMUS. Lancet, July 25.

STER'LISATION BY STEAM under increased pressure. Lancet, July 25.

DIAVERIDINE AND SULPHAQUINOXALINE, A mixture of, as a coccidiostat for poultry. July 25. Vet. Rec.

THE 1-BENZYL, 1-PENTYL AND 1-ISOPROPYL DE-RIVATIVES OF 2-(a-HYOROXYBENSYL)-BENZIMIOAZ-OLE. Protection of poliovirus-infected tissue-culture cells using. Nature, July 25.



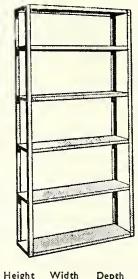
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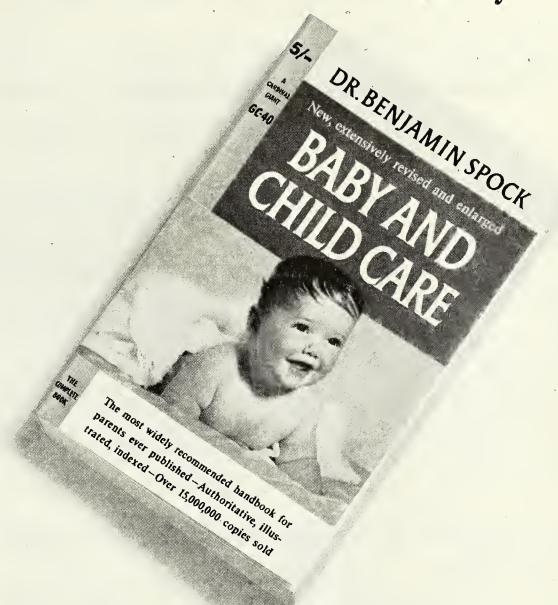
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Sterile Ward and Kidney Dialysis Unit.
Applications (for either post), giving details
of previous experience and naming two referees, to Secretary as soon as possible.
C 9362

## GLENSIDE AND BARROW HOSPITAL

HOSPITAL
MANAGEMENT COMMITTEE
Chief Pharmacist
Category I required at Barrow Hospital.
National scales and conditions. Board residence available for single officer. Applications, together with names of two referees, should be sent to Hospital Secretary, Barrow Hospital, Barrow Gurney, near Bristol. C 9365

## HILL END HOSPITAL, ST. ALBANS, HERTS (20 miles from London)

Locum Chief Pharmacist required from 31st August to 19th September, 1964, inclusive. Salary £24 5s. per week. Accommodation may be available for single man, if reequired. Applications giving details of qualifications and experience and naming two referees to the Chief Pharmacist. C 681

## HOSPITAL MANAGEMENT

HOSPITAL MANAGEMENT
COMMITTEE No. 9,
WAKEFIELD "A" GROUP
Senior Pharmacist
required for busy sterilising and manufacturing department in a category IV group hospital, Modern equipment includes newly installed rapid cooling fluids autoclave. Post offers excellent experience, Salary £851—£1,113. Whitley Council conditions, Application form from Group Secretary, 113 Northeate, Wakefield.

C 9328

## ILFORD AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE, KING GEORGE HOSPITAL, EASTERN AVENUE, NEWBURY PARK, ILFORD, ESSEX

Dispensing Assistant

Part-time — 23 hours per week, Whitley Council pay and conditions. Apply to Group C 9363 Part-time -Secretary.

#### KING'S LYNN AREA HOSPITALS MANAGEMENT COMMITTEE

MANAGEMENT COMMITTEE

Senior Pharmacist

Applications are invited for the appointment of a Senior Pharmacist in the Group Pharmacy Department at the WEST NORFOLK & KING'S LYNN GENERAL HOSPITAL, King'S Lynn, Norfolk.

Whitley Council conditions of service and salary £851 rising to £1,113, plus £25 higher qualification allowance where applicable, Entrants to the hospital service with up to four (or more) years' professional experience since qualifying may be appointed initially as Pharmacist at a commencing salary of up to £898 per annum. Supporting staff includes three Dispensing Assistants, Applications, stating age, qualifications, experience, and the names of two referees, to be sent to the Group Secretary, St. James' Hospital, Extons Road, King's Lynn, Norfolk.

#### LEAVESDEN GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist (Part-time)

required at Leavesden Hospital, Abbots Langley, Watford, Herts, on a sessional basis. Salary 42s, 7d. per session of 4 hours for up to 24 hours per week. Further particulars from the Group Pharmacist, telephone Garston 2222, Ext. 30.

#### LEAVESDEN GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Tenens Pharmacist-in-Charge required August 3rd to September 5th, or August 3rd to 15th. Fee £22 12s, per week, board residence being available at approximately £5 per week if required, Further particulars from the Group Pharmacist, telephone Garston 2222, Ext. 30. C 9331

## LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist required at the above hospital from August 3rd. Modern department. Every third Saturday morning off. Previous hospital experience not essential. Salary £19 19s. per week. Applications to the Chief Pharmacist (Telephone: STE, 1222, Ext. 219).

#### Appointments—Continued

LONDON JEWISH HOSPITAL,
STEPNEY GREEN, E.1
Pharmacist
required at the above hospital from August
3rd, Modern department giving good general
experience. Every third Saturday morning off.
Previous hospital experience not essential.
Whitley Council conditions of service and
salary. Applications in writing stating age,
qualifications and experience, together with
the names of two referees to the Chief
Pharmacist, C 9305

#### MAIDENHEAD HOSPITAL, **BERKSHIRE**

Gategory II)

Locum Pharmacist
required 21st September to 6th October, In charge of department with one assistant.
Salary £24 5s, per week, Possibility of accommodation for female, Applications to Secretary C 9357

## NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL,

LISCARD ROAD,
WALLASEY, CHESHIRE
Pharmacist
full-time. Salary according to scale agreed
by the Whitley Council.
Applications to Hospital Secretary. C 9302

PADDINGTON GENERAL
HOSPITAL,
HARROW ROAD, W.9
Senior Pharmacist
required at above hospital, Commencing
salary according to previous experience, Applications together with the names and
addresses of two referees to the Hospital
Secretary. C 665

## PADDINGTON GENERAL HOSPITAL,

HARROW ROAD, W.9

Locum Pharmacist
required for indefinite period. Apply immediately to the Hospital Sccretary, C 666

## PRESTON & CHORLEY HOSPITAL MANAGEMENT COMMITTEE, PRESTON ROYAL INFIRMARY

Senior Pharmacist required at this Category V Hospital offering wide experience. Salary Scale £851—£1,113. Applications stating details of qualifications, experience and names of two referees to Group Secretary, Royal Infirmary, Preston, Lanes. Telephone: Preston 54747. C 9374

#### ROYAL FREE HOSPITAL

ROYAL FREE HUSTIANAL Locum Pharmacist
required for work at the above hospital.
Salary £20 19s, per week. Apply naming two
referees, to Group Chief Pharmacist, Royal
Free Hospital, Gray's Inn Road, W.C.I.
C 678

## ROYAL FREE HOSPITAL GROUP Locum Chief Pharmacist

Locum Chief Pharmacist required for duties at the Hampstead branch Hospital of the Group for 4 weeks commencing 31st August,

1964, Salary £24 5s per week, Applications, with names of two referees, should be addressed to The Group Chief Pharmacist, Royal Free Hospital, Grays Inn Road, London, W.C.I. C 9372

#### THE ROYAL FREE HOSPITAL

Pharmacist
Applications are invited for the post of Pharmacist at the above Hospital. Whitley Council salary scale with extra pay for evening clinics, Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 679

## ROYAL HOSPITAL, RICHMOND, SURREY

Senior Pharmacist

Senior Pharmacist
Applications are invited for the post of
Senior Pharmacist at the Royal Hospital
(Acute General), Richmond, Surrey, Whitley
Council salary and conditions of service,
plus London Weighting, Applications giving
details of age, experience, qualifications and
names of two referees to the Administrative
Officer immediately, C 9347

#### SELLY OAK HOSPITAL, BIRMINGHAM, 29

Senior Pharmacist (Category V), £851—£1,113.

Pharmacist
(Category V), £761—£1,019. Applications, naming two referees, to Administrator.

C 9371

#### SOUTHMEAD HOSPITAL, BRISTOL (670 beds)

Pharmacist
required at Southmead Hospital. This post

required at Southmead Tropperson offers wide experience.
Applications stating age, qualifications and experience to be sent to the Group SecreC 9337

### ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS (402 beds)

Senior Pharmacist or Pharmacist Applications are invited for the above post at this hospital within easy reach of Central London, Whitley Council salary and condi-tions of service, Detailed applications naming two referees to the Chief Pharmacist, C 652

## ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS

(402 beds)

Locum Tenens Pharmacist
required immediately, Part-time would be
considered, Whitley Council salary and
conditions of service. Detailed applications
giving names of two referees to the Hospital
Secretary. C 659

## ST. GEORGE'S HOSPITAL TEACHING GROUP

Dispensing Assistant
required at St. George's Hospital, S.W.1,
for duties within the group in modern departments, Whitey Council salary scale
plus London Weighting, Further particulars
from Chief Pharmaeist, Apply in writing
stating age, experience and names of two
referees, to Assistant Secretary, St. George's
Hospital, Hyde Park Corner, S.W.1. C 9360

## ST. GILES' HOSPITAL, ST. GILES' ROAD, CAMBERWELL, S.E.5

Locum Pharmacist part-time, or sessional required immediately.

Apply: Chief Pharmacist, St. Giles' Hospital, St. Giles' Road, Camberwell, S.E.5. (RODney 4221).

#### ST. GILES' HOSPITAL, CAMBERWELL, S.E.5

Senior Pharmacist

Applications invited for post of Senior Pharmacist, Salary scale £896—£1,168 p.a. Part-time considered. Further details from or applications to Chief Pharmacist.

#### ST. JOHN'S & HITHER GREEN HOSPITAL

Locum Pharmacist

required. £19 19s. Apply Hospital Secretary, St. John's Hospital, Morden Hill, S.E.13.

#### ST. JOHN'S & HITHER GREEN HOSPITAL

Pharmacist

required at once. Applications to Hospital Secretary, St. John's Hospital, Morden Hill, S.E.13. C 656

## ST. PAUL'S HOSPITAL, ENDELL STREET, W.C.2

Chief Pharmacist

Chief Pharmacist

The Board of Governors invite applications for the appointment of Chief Pharmacist, St. Paul's Hospital, The post becomes vacant on the 30th of November next on the retirement of Mr. A. C. Joy.

Candidates should be interested in specialising in the pharmaceutical problems of urology and renal medicine, on which they will be expected to advise medical staff engaged in research, It is planned to reconstruct the department shortly.

The salary scale is £898—£1,223 per annum plus London Weighting Allowance, and Whitley Council Conditions of Service apply. Applications giving full details of age, training and experience and the names of three referees to the House Governor, c/o the Board Offices, St. Philip's Hospital, Sheffield Street, W.C.2, by 20th August. C 9376

## STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, MILE END HOSPITAL, BANCROFT ROAD, LONDON, E.1

Deputy Chief Pharmacist (Category IV)

Applications are invited for the above post at this hospital. Post vacant mid-September, 1964. Whitley Council conditions of scrvice. Further particulars may be obtained from the Chief Pharmacist. Applications stating age, qualifications, experience and the names of two referees, to be sent to the Group Secretary at the above address. C 9330

#### **PUBLIC APPOINTMENTS**

#### **OVERSEAS**

PHARMACIST required by the GOVERN-MENT OF TANGANYIKA, Ministry of Health, on contract for one tour of 21/27 months in the first instance, Salary scale (including overseas addition) £1,329 rising to £1,671 a year. Terminal payment in lieu of leave, Gratuity at the rate of 25 per cent, of total salary (including terminal payment) drawn, Free passages, Generous education allowances.

drawn, Free passages, Generous education allowances. Candidates must possess a recognised pharmaceutical qualification.

Apply to CROWN AGENTS, M. Dept., 4 Millbank, London, S.W.1, for application form and further particulars, stating age, name, brief details of qualifications and experience, and quoting reference M3H/59781/CD.

## SITUATIONS VACANT RETAIL (HOME)

DISPENSING AND/OR COUNTER AS-SISTANTS required for London, E.C.1 and N.1. Highest salary paid in exchange for experience and loyalty. Apply in writing to The Managing Director, Kendale Chemists, 51 Exmouth Market, London, E.C.1, C 6233

**EARLESTOWN, LANCS.** Manager urgently required for pharmacy in above town. Good supporting staff. Salary £1,250 p.a., plus free living accommodation. Box C 6245.

EATON VILLAGE PHARMACY, NOR-WICH, Superintendent pharmacist required. Excellent prospects, Modern house available if required. Box C 6244.

**OPPORTUNITY OCCURS** for young pharmacist to take charge of busy modern branch shop. Chester City centre, Good salary and profit participation geared to results, Box C 6213.

WEST BIRMINGHAM area, 5 miles City Centre, Experienced and capable dispensing assistant required for private pharmacy in industrial area, Busy dispensing. Good wages and conditions. Holiday arrangements honoured, Part-time considered, Box C 6238,

#### WHOLESALE

FOREMAN REQUIRED with experience in pharmaceutical industry for export packing department, Good salary offered to intelligent and enthusiastic worker, Apply giving full particulars to Box C 9378.

#### **SENIOR**

#### PERFUMER / COMPOUNDER

required to take full control of laboratory manufacturing luxury perfumes only, with a staff of three.

Applicants must be experienced and have a thorough practical knowledge of fine perfumery raw materials, and be prepared to live near West London, Interesting salary, with excellent prospects, Non-contributory Pension Scheme.

Apply in writing, giving full details of past experience, to: Mr. W. P. Hibbert, Picot Laboratories, Picot Limited, 191 Hammersmith Road, W.6. Tel.: RIV. 7777.

All applications and correspondence will be treated in the strictest confidence. C 6239

#### SITUATIONS WANTED

B.PHARM. FROM INDIA with two years' experience in tableting seeks a suitable job. Please write: Bhargava, 386 Sherrard Road. E.12. C 6240

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AGENTS REQUIRED throughout England and Wales on commission for nationally-famous baby products, calling on wholesale and retail chemists. Please state area covered and details of products at present carried, Box C 9355.

#### SITUATIONS VACANT WHOLESALE

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## SQUIBB

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Excellent salaries are envisaged, a Company Car is provided, and full business expenses paid. There is a non-contributory Pension Scheme in operation.

Applications, which should provide full details of experience and qualifications, should be addressed to

The Marketing Director,
E. R. Squibb & Sons Limited,
Regal House, Twickenham, Middlesex.

C 9359

AGENTS required for most regions of United Kingdom for biologically active tonic preparation. By-product of large agricultural manufacturer. Must have chemist and health store connection, Box C 6228.

TOP CLASS REPRESENTATIVE with 25 years' experience in wholesale chemist trade wishes to represent one further manufacturer, preferably with nationally known product, on an agency basis. Can offer first-class connection with sundries departments of all major wholesale groups throughout the country. Please give full particulars of product and areas available. Box C 6243.

SWISS BEAUTY PRODUCTS manufacturer wishes to appoint U.K. distributor soon as possible. Please submit offers to Box C 6231.

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#### Wanted—Continued

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WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere, Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8.

WE PURCHASE surplus and redundant stocks of every description especially packing material. Spot cash settlement. Reliance Trading Company, 23-25 Charles Lane, St. John's Wood, London, N.W.8. Tel.: JUNiper 0701.

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C 682

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#### SITUATIONS VACANT WHOLESALE

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C 6241

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FOR EPHEDRINE HCL contact Mesco Laboratories, Ltd., 6 Broad Street Place, London, E.C.2. LONdon Wall 2185, C 6227

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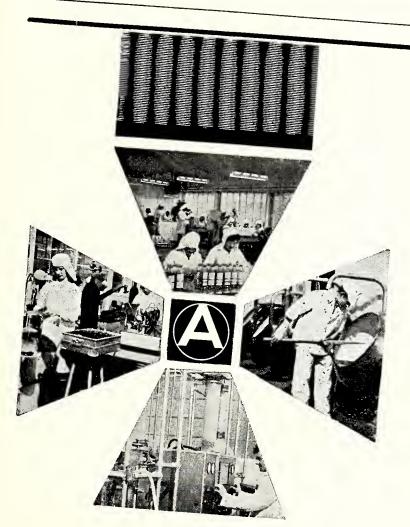
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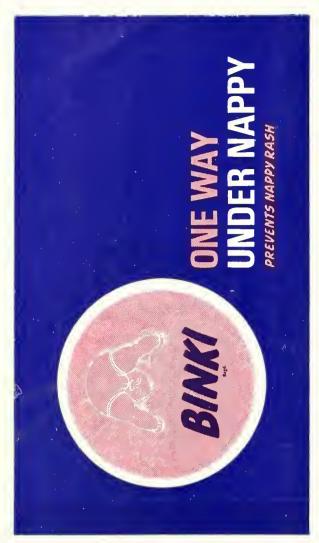
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